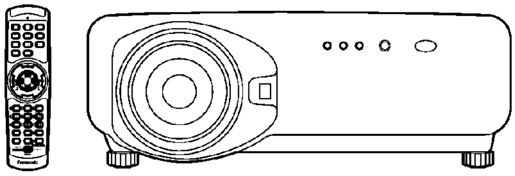
ORDER NO. VED0302342C0
D10

Service Manual

DLP ™ Based Projector

PT-D7500U / PT-D7500E / PT-D7600U / PT-D7600E



SPECIFICATIONS

Panasonic

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- Macintosh is a registered trademark of Apple Computer, Inc.
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Precaution
If using this projector at high elevations (above 1 400 m), set the FAN CONTROL to HIGH.
Failure to observe this may cause malfunctions.
Never use this projector at an elevation of 2 700 m or higher.
Using this projector at high elevations, consult your dealer or an authorized service center about preparations.

For U.S.A.

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic DLP Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC BROADCAST & TELEVISION SYSTEMS COMPANY.

WARNING:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any unauthorized changes or modifications to this equipment will void the users authority to operate.

1. Safety Precautions

1.1. General Guidelines

- **For continued safety, no modification of any circuit must be attempted.**
- **Unplug the power cord from the power outlet before disassembling this projector.**
- **It is advisable to use an isolation transformer in the AC power line before the service.**
- **Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.**
- **After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.**
- **After the service, check the leakage current to prevent the customer from getting an electric shock.**

1.2. Leakage Current Check

1. **Prepare the measuring circuit as shown in Fig.1.**
   Be sure to use a voltmeter having the performance described in Table 1.

Fig. 1

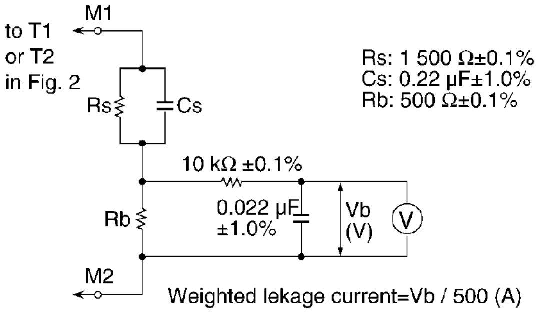
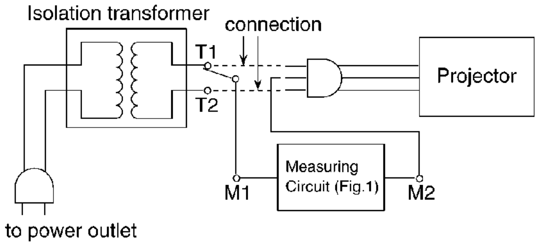

M1
to T1
or T2
in Fig. 2
Rs
Cs
Rs: 1 500 Ω±0.1%
Cs: 0.22 μF±1.0%
Rb: 500 Ω±0.1%
10 kΩ ±0.1%
Rb
0.022 μF
±1.0%
Vb
(V)
V
M2
Weighted lekage current=Vb / 500 (A)

Table 1

	Performance
Voltmeter (rms reading)	Accuracy: ≤ 2% Input resistance: ≥ 1 MΩ Input capacitance: ≤ 200 pF Frequency range: 15 Hz to 1 MHz

Fig. 2


Isolation transformer
connection
T1
T2
Projector
Measuring
Circuit (Fig.1)
M1
M2
to power outlet

2. **Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.**
3. **Connect M1 to T1 according to Fig. 2 and measure the voltage.**
4. **Change the connection of M1 from T1 to T2 and measure the voltage again.**
5. **The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75 mA or less.**
6. **If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.**

2. Specifications

Model No.	**PT-D7500U/E**	**PT-D7600U/E**
Power supply	U: AC 120 V, 50 Hz/60 Hz E: AC 220 V - 240 V, 50 Hz/60 Hz	
Power consumption	800 W (about 12 W in standby without fan running)	
DLP™ panel **Panel size** **Display system** **Number of pixels**	0.7 inch (aspect ratio 4:3) Three-unit DMD™ element, DLP type 3 x 786 432 pixels (1 024 x 768 dots)	0.9 inch (aspect ratio 5:4) Three-unit DMD™ element, DLP type 3 x 1 310 720 pixels (1 280 x 1 024 dots)
Lens **Powered zoom** **Powered focus control**	Option	
Projection lamp	2 bulbs x 300 W UHM lamp	
Optical output	5 000 lm (ANSI)	6 000 lm (ANSI)
Applicable scanning frequency **For video signal (S-video included)** **For RGB signal** **For DVI-D signal** **For YPBPR signal**	Horizontally 15.73 kHz/15.63 kHz, vertically 59.94 Hz/50 Hz Horizontally 15 kHz-100 kHz, vertically 24 Hz-120 Hz, Panasonic Intelligent Auto Scanning (PIAS) system Dot clock frequency 20 MHz-162 MHz (When DVI module (optional item) is mounted) VGA-S-XGA Dot clock frequency 25 MHz-112 MHz [480i], horizontally 15.73 kHz, vertically 59.94 Hz [480p], horizontally 31.5 kHz, vertically 59.94 Hz [576i], horizontally 15.63 kHz, vertically 50 Hz [720/60p], horizontally 45 kHz, vertically 60 Hz [1035/60i], horizontally 33.75 kHz, vertically 60 Hz [1080/60i], horizontally 33.75 kHz, vertically 60 Hz [1080/50i], horizontally 28.13 kHz, vertically 50 Hz [1080/24p], horizontally 27 kHz, vertically 24 Hz [1080/30p], horizontally 33.75 kHz, vertically 30 Hz [1080/25p], horizontally 28.13 kHz, vertically 25 Hz [1080/24sF], horizontally 27 kHz, vertically 48 Hz * HD/SYNC, VD terminals are not compliant with 3 value composite SYNC.	
Colour system	7 standards (NTSC/NTSC4.43/PAL/PAL-N/PAL-M/SECAM/PAL60)	
Screen size	70 inch-600 inch (70 inch-300 inch when using an ET-D75LE5 lens)	
Screen aspect ratio	4:3	5:4
Projection schem	Menu-selectable from front/rear/ceiling mount, and floor standing	
Contrast ratio	600:1	
Interface ports **Input module connection slot** **RGB1 input terminal**	One system of input module connection slot 1 set, BNC x 5 [For YPBPR input] Y: 1.0 V[p-p] synchronization signal included, PBPR: 0,7 V[p-p] 75 Ω For G-SYNC: 1.0 V[p-p] 75 Ω HD/SYNC: 75 Ω, 1.4-5 Vp-p, positive/negative polarity automatically ajusted VD: 75 Ω, 1.4-5 Vp-p, positive/negative polarity automatically ajusted [For RGB input] 0.7 V[p-p] 75 Ω * HD/SYNC,VD terminals are not compliant with 3 value composite SYNC.	

Model No.	**PT-D7500U/E**	**PT-D7600U/E**
Interface ports		
RGB2 input/RGB1 output terminal	1 set of high-density, D-sub 15p (female) [For YPBPR input] Y: 1.0 V [p-p] synchronization signal included, PBPR: 0.7 V[p-p] 75 Ω [For RGB input] 0.7 V[p-p] 75 Ω For G-SYNC: 1.0 V[p-p] 75 Ω HD/SYNC: TTL, high-impedance, positive/negative polarity automatically adjusted VD: TTL, high-impedance, positive/negative polarity automatically adjusted * However, HD/SYNC, and VD terminals are not compliant with 3-value direct SYNC. (Active through for RGB1 output)	
Video input/output terminal	1 set BNC Y 1.0 V[p-p] C 0.286 V[p-p] 75 Ω; Compliant with S1 signals	
S-video input terminal	1 set Mini DIN 4p Y 1.0 V[p-p] C 0.286 V[p-p] 75 Ω	
Serial input/output terminal	D-sub 9-pin (female), RS-232C compliant Used for personal computer control	
Remote1 input/output terminal	1 set each for M3 pin jack Wired remote control, used for link control	
Remote2 terminal	D-sub 9p (female) Used for external control	
Length of power supply cord	2.5 m (8.2")	
Cabinet	Molded resin	
Outside dimensions	Width: 530 mm (20.8"); Height : 200 mm (7.9"); Depth: 569 mm (22.4")	
Mass	19.8 kg (44 lb) (without lens)	
Working environment condition	*1.Ambient temperature: 0 to 40°C for setting except lamp selection at [DUAL] and lamp output at [HIGH] 0 to 35°C for setting of lamp output at [HIGH] and lamp selection at [DUAL] Ambient humidity: 20 to 80% (no condensation)	
Remote control		
Power source	3 V DC (two AA dry cells)	
Operation range	approx. 7 m/23' (in front of beam receiver)	
Mass	110 g (0.24 lb) (including dry cells)	
Outside dimensions	Width: 50 mm (1.9"), Thickness: 31 mm (1.2"), Depth: 181 mm (7.1")	
Option		
Hanging attachment (For high celling)	: ET-PKD75	
Hanging attachment (For low celling)	: ET-PKD75S	
Dual attachment	: ET-DFD75	
Carrying handle	: ET-HAD75	
Projection lens	: ET-D75LE1, ET-D75LE2, ET-D75LE3, ET-D75LE4, ET-D75LE5, ET-D75LE1SC, ET-D75LE2SC, ET-D75LE3SC, ET-D75LE4SC	
DVI-D input module	: ET-MD75DV	
Network module	: ET-MD75NT	
Video signal input module	: ET-MD95VM2	
RGB signal input module	: ET-MD95RGB	
Serial digital input module (SD)	: ET-MD95SD1	
Serial digital input module (480p)	: ET-MD95SD2	
Serial digital input module (HD)	: ET-MD95SD3	
Lamp unit	: ET-LAD7500 (single bulb), ET-LAD7500W (double bulbs)	
Wireless mouse receiver	: ET-RMRC1	

*1. If the projector is used at high altitude (1 400 to 2 700 m), the value for allowable ambient max. temperature should be lowered by 5°C.

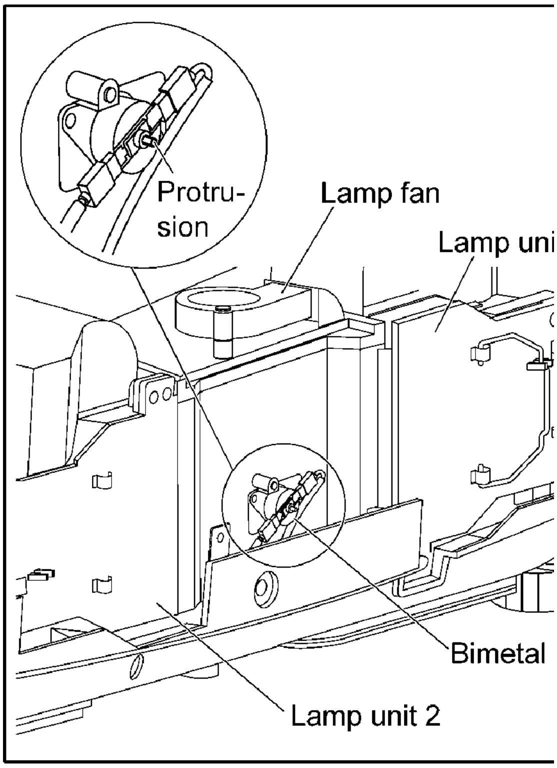
3. Function for Safety

3.1. Temperature Detection inside the Lamp Unit

This projector has a bimetal contacting the lamp units to protect the lamps.

If the temperature of one of the lamp units exceeds 135 °C, the bimetal will operate to turn off the power (standbycondition). The installed position of the bimetal is shown in the illustration at right.

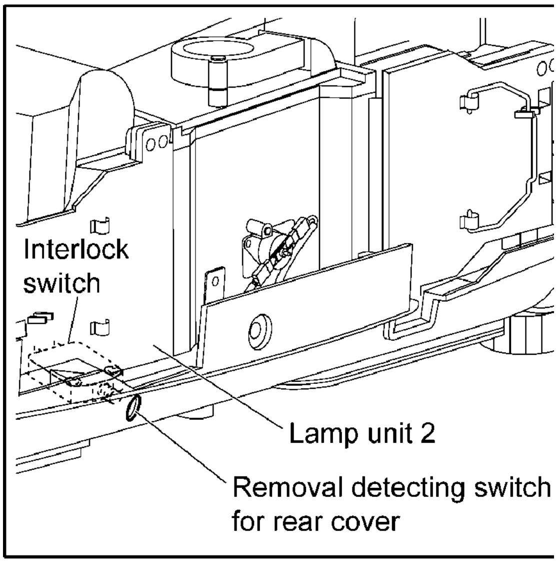
To reset the bimetal action, press the protrusion of the bimetal until you feel a click.


Protru-
sion
Lamp fan
Lamp uni
Bimetal
Lamp unit 2

3.2. Interlock Switch

To ensure safety, this projector is designed so that the power cannot be turned on when the rear cover is removed or installed incorrectly.

If removing the rear cover during operation, the power willbe turned off.


Interlock
switch
Lamp unit 2
Removal detecting switch
for rear cover

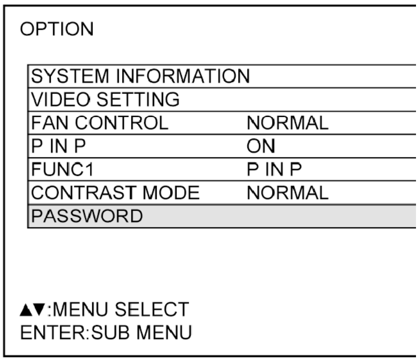
4. Serviceman Mode

This mode is used to narrow down the location of the failure.

4.1. Setting to Serviceman Mode

(1) **Press the MENU button.**
The MENU screen will appear.

(2) **Select “OPTION” using the ▲ or ▼ buttons and press the ENTER button.**
TheOPTION screen will appear.



OPTION

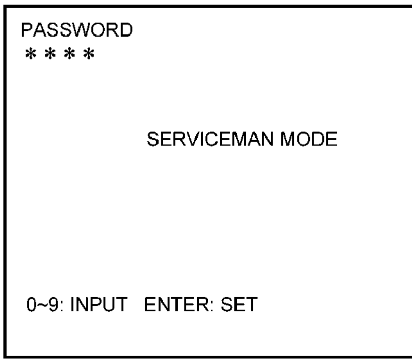
SYSTEM INFORMATION	
VIDEO SETTING	
FAN CONTROL	NORMAL
P IN P	ON
FUNC1	P IN P
CONTRAST MODE	NORMAL
PASSWORD	

▲▼:MENU SELECT
ENTER:SUB MENU

(3) **Select “PASSWORD” using the ▲ or ▼ buttons and press the ENTER button.**
ThePASSWORD screen will appear.

(4) **Set the operation mode selector (Computer/Numeric, Projector) switch to “Computer/Numeric” on the remote control unit and input the password “1565”.**
“ * “ (asterisk)will appear for the password numbers.

(5) **Set the operation mode selector (Computer/Numeric, Projector) switch to “Projector” on the remote control unit and press the ENTER button.**
The words “SERVICEMAN MODE” willappear.



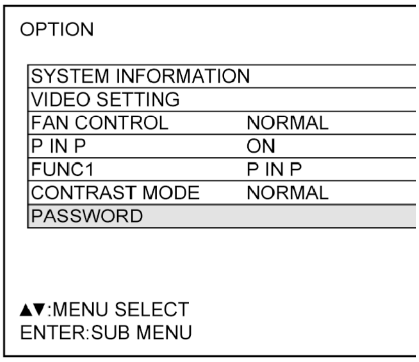
PASSWORD
＊＊＊＊

SERVICEMAN MODE

0~9: INPUT ENTER: SET

4.2. Resetting to User Mode

(1) **Select "PASSWORD" on the OPTION screen using the ▲ or ▼ buttons and press the ENTERbutton.**
The PASSWORD screen will appear.



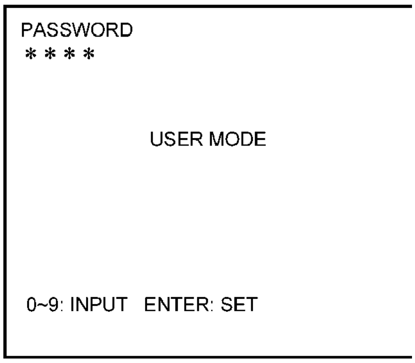
OPTION

SYSTEM INFORMATION	
VIDEO SETTING	
FAN CONTROL	NORMAL
P IN P	ON
FUNC1	P IN P
CONTRAST MODE	NORMAL
PASSWORD	

▲▼:MENU SELECT
ENTER:SUB MENU

(2) **Set the operation mode selector (Computer/Numeric, Projector) switch to "Computer/Numeric" on the remote control unit and input the password "0000".**
" * " (asterisk) will appearfor the password numbers.

(3) **Set the operation mode selector (Computer/Numeric, Projector) switch to "Projector" on the remote control unit and press the ENTER button.**
The words "USER MODE" will appear.



PASSWORD
＊＊＊＊

USER MODE

0~9: INPUT ENTER: SET

4.3. Functions in Serviceman Mode

This projector has functions such as image cutoff and deletion of registered signals by one operation.

[VIDEO menu]

SDI COLORSELECT
Sets the using mode of the color-difference information in TW-MD95SD2 480P dual link ("MAIN" only or both "MAIN" and "SUB").

AD LPF
Sets the low pass filter.

[POSITION ADJUSTMENT menu]

PLL Setting
Sets VCO and the charge pump.

Frame Lock
Sets the frame lock.

Raster Position
Sets the raster position.

V Mask
Sets the V mask.

[OPTION menu]

Used Hours
The used hours of the projector appear.

[EXTRA OPTION menu]

Cutoff
Sets the display on or off for each color (red, green, and blue).

Deletion of Input Signals

Deletes all the registered signals.

REMOTE 2 Setting

Sets the functions of the REMOTE 2 terminal.

1:

	Function	OPEN	SHORT
1	GND	—	—
2	Power supply	off	on
3	RGB1	other	RGB1
4	RGB2	other	RGB2
5	VIDEO	other	VIDEO
6	S-VIDEO	other	S-VIDEO
7	AUX	other	AUX
8	Shutter	off	on
9	REMOTE 2 selection	disable	enable

2:

	Function	OPEN	SHORT
1	GND	—	GND
2	Power supply	off	on
3	RGB1	other	RGB1
4	RGB2	other	RGB2
5	VIDEO	other	VIDEO
6	S-VIDEO	other	S-VIDEO
7	AUX (LINE)	other	AUX(LINE)
8	AUX (Y/C)	other	AUX(Y/C)
9	REMOTE 2 selection	disable	enable

- **When using the contact control and an optional signal selector in combination, set the pins "No. 3, 4, 5, 6, and 7" of the REMOTE 2 terminal to OPEN.**
- **When AUX is ET-MD95VM2, the LINE and Y/C selection is set to the last selected condition.**

Gamma Selection

Sets the selectable modes of gamma on the VIDEO menu.
STANDARD: You can select the following 10 modes.
"2.2", "2.5", "NATURAL", "GRAPHIC 1", "GRAPHIC 2", "STANDARD 1", "STANDARD 2", "CINEMA", "USER 1", and "USER 2"
ALL: You can select the following 18 modes.
"1.0", "1.8", "2.0", "2.2", "2.3", "2.4", "2.5", "2.7", "NATURAL", "GRAPHIC 1", "GRAPHIC 2", "STANDARD 1", "STANDARD 2", "CINEMA", "USER 1", "USER 2", "USER 3", and "USER 4"

Fan Full Mode

OFF: Controls the fan speed according to temperature and lamp modes.
ON: Sets the intake fan to the full speed to cool best the power supply and DMD prism, but increases fan noise. At this time, you cannot select "FAN CONTROL" on the OPTION menu.

Caution:

Be sure to set to OFF at 1400 m or high above sea level.

Lamp Switching Mute

OFF: Keeps projecting the picture even when switching the lamps.
ON: Stops projecting the picture when switching the lamps.

*** If setting to OFF, the picture may be unstable when switching the lamps.**

Lamp Relay
"1h", "2h", "3h", "4h" --- "12h":
Turns on lamp1 or lamp 2 alternatively at a selected time interval (1 - 12 hours) when setting the lamp selection to SINGLE.

note:
Use this mode to operate the projector for a long time continuously.

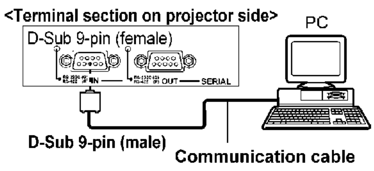
OFF: Stops switching lamp1 and lamp 2.

5. Using the Serial Terminals

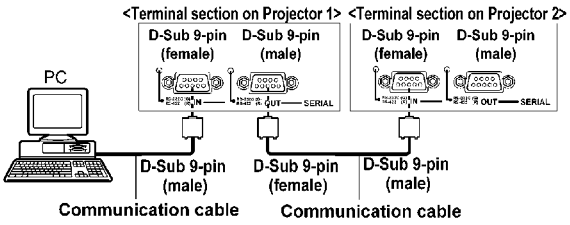
The main unit is equipped with SERIAL terminals located in its terminal section on the side, and this terminal is compliant with RS-232C. Also a serial output terminal is provided to enable plural projector control.

5.1. Examples of Connection

• Single projector

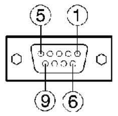

<Terminal section on projector side>
PC
D-Sub 9-pin (female)
IN
OUT
SERIAL
D-Sub 9-pin (male)
Communication cable

• Plural projectors


<Terminal section on Projector 1>
<Terminal section on Projector 2>
D-Sub 9-pin (female)
D-Sub 9-pin (male)
D-Sub 9-pin (female)
D-Sub 9-pin (male)
PC
IN
OUT
SERIAL
IN
OUT
SERIAL
D-Sub 9-pin (male)
D-Sub 9-pin (female)
D-Sub 9-pin (male)
Communication cable
Communication cable

5.2. Pin Assignments and Signal Names

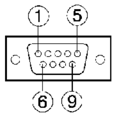
D-Sub 9-pin (female), external appearance



Serial input terminal

Pin No.	Signal name	Description
①		NC
②	TXD	Sends data
③	RXD	Receives data
④		NC
⑤	GND	Ground
⑥		NC
⑦	CTS	Connected internally
⑧	RTS	
⑨		NC

D-Sub 9-pin (male), external appearance



Serial output terminal

Pin No.	Signal name	Description
①		NC
②	RXD	Receives data
③	TXD	Sends data
④		NC
⑤	GND	Ground
⑥		NC
⑦	RTS	Connected internally
⑧	CTS	
⑨		NC

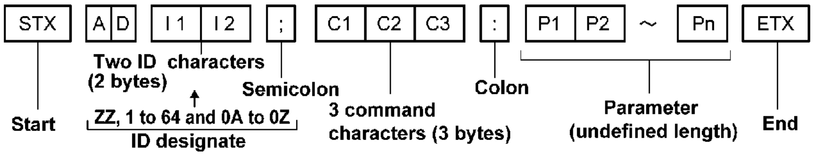
5.3. Communication Conditions (Factory Setting)

Signal level	RS-232C-compliant
Synchronization method	Start-stop synchronization
Baud rate	9 600bps
Parity	None
Character length	8 bits
Stop bit	1 bit
X parameter	None
S parameter	None

5.4. Basic Format

Transmission from the computer begins with STX, then the ID, command, parameter, and ETX are

sent in this order. Add parameters according to the details of control.


STX
A
D
I 1
I 2
;
C1
C2
C3
:
P1
P2
~
Pn
ETX
Two ID characters
(2 bytes)
Semicolon
Colon
Start
ZZ, 1 to 64 and 0A to 0Z
ID designate
3 command
characters (3 bytes)
Parameter
(undefined length)
End

Attention

- **No command can be sent or received for 10 to 60 seconds after the lamp starts lighting. Try sending any command after that period has elapsed.**
- **When sending several commands, be sure to wait for a response from the projector before sending the next command. When sending commands without parameters, a colon (:) is not necessary.**

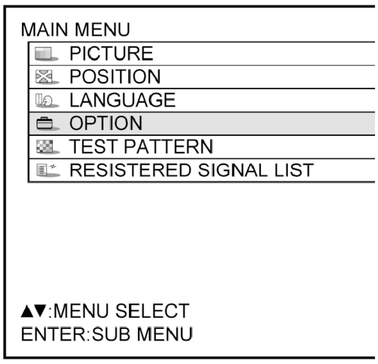
Note

- **If a wrong command is sent, the projector will send an ER401 command to the computer.**
- **A projector ID supported on the RS-232C interface is ZZ (ALL) and a group of 1 to 64 and 0A to 0Z.**
- **If a command is sent with a projector ID specified, the projector will respond to the computter only in the following cases:**
  If it coincides with the projector ID,
  ID specification is ALL and VPS-SYSTEM is the master, or
  ID specification is group and Group is the master.

5.5. Procedure of Setting Communication Conditions

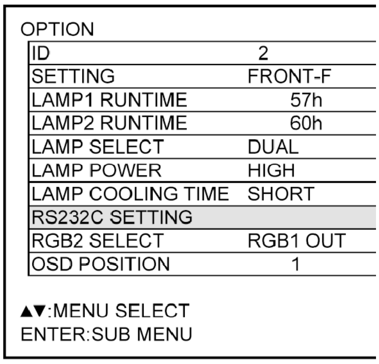
(1) **Press the MENU button.**
The MAIN MENU screen will be displayed.

(2) **Press the ▲ and ▼ buttons to select “OPTION”.**


MAIN MENU
PICTURE
POSITION
LANGUAGE
OPTION
TEST PATTERN
RESISTERED SIGNAL LIST
▲▼:MENU SELECT
ENTER:SUB MENU

(3) **Press the ENTER button.**

(4) **Press the ▲ and ▼ buttons to select “RS232C SETTING”.**



OPTION

ID	2
SETTING	FRONT-F
LAMP1 RUNTIME	57h
LAMP2 RUNTIME	60h
LAMP SELECT	DUAL
LAMP POWER	HIGH
LAMP COOLING TIME	SHORT
RS232C SETTING	
RGB2 SELECT	RGB1 OUT
OSD POSITION	1

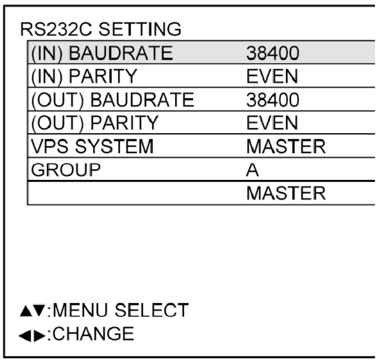
▲▼:MENU SELECT
ENTER:SUB MENU

(5) **Press the ENTER button.**
The RS232C SETTING screen will be displayed.

(6) **Press the ▲ and ▼ buttons to select communication conditions.**

(7) **Press the ◀ and ▶ buttons to confirm the setting..**

(8) **Press the MENU button three times.**
The on-screen indications disappear, and the system returns to the normal screen.



RS232C SETTING

(IN) BAUDRATE	38400
(IN) PARITY	EVEN
(OUT) BAUDRATE	38400
(OUT) PARITY	EVEN
VPS SYSTEM	MASTER
GROUP	A
	MASTER

▲▼:MENU SELECT
◀▶:CHANGE

5.6. Control commands

5.6.1. Input Commands

Items	Commands: Parameters	Functions	Callback	Remarks
POWER	PON	POWER ON	PON	
	POF	POWER OFF	POF	
FREEZE	OFZ:0	FREEZE key	OFZ	
	OFZ:1	0=OFF 1=ON	OFZ	
MENU	OMN	MENU key	OMN	
ENTER	OEN	ENTER key	OEN	
CURSOR	OCU	UP key	OCU	
	OCD	DOWN key	OCD	
	OCL	LEFT key	OCL	
	OCR	RIGHT key	OCR	
STANDARD	OST	STANDARD key	OST	
AUTO SETUP	OAS	AUTO SETUP execution	OAS	
SHUTTER	OSH:0	SHUTTER key	OSH:0	
	OSH:1	0=OFF 1=ON	OSH:1	
INPUT SELECT	IIS:RG1	RGB-1	IIS:RG1	
	IIS:RG2	RGB-2	IIS:RG2	
	IIS:VID	VIDEO	IIS:VID	
	IIS:SVD	S-VIDEO	IIS:SVD	
	IIS:AUX	AUX	IIS:AUX	
	IIS:AUX AW1	AUX LINE(ET-MD95VM2 only)	IIS:AUX/AW1	
	IIS:AUX AW2	AUX Y/C (ET-MD95VM2 only)	IIS:AUX/AW2	
FUNCTION1	FC1	FUNCTION execution	FC1	
TEST	OTS:p1p2	Test pattern selection	OTS:p1p2	
		00=OFF 01=White picture 02=Black picture 03=Flag		
		04=Flag inversion 05=1% Window		
		06=1% Window inversion 07=Focus		
ON SCREEN	OOS:0	OSD selection	OOS:0	
	OOS:1	0= OSD OFF 1=OSD ON	OOS:1	
NEXT	ONX	NEXT key	ONX	
NUMBER KEY	ONK:0	NUMBER key 0	ONK:0	
	ONK:1	NUMBER key 1	ONK:1	
	ONK:2	NUMBER key 2	ONK:2	
	ONK:3	NUMBER key 3	ONK:3	
	ONK:4	NUMBER key 4	ONK:4	
	ONK:5	NUMBER key 5	ONK:5	
	ONK:6	NUMBER key 6	ONK:6	
	ONK:7	NUMBER key 7	ONK:7	
	ONK:8	NUMBER key 8	ONK:8	
	ONK:9	NUMBER key 9	ONK:9	
SYSTEM SEL	OSL	SYSTEM SELECTER key	OSL	

5.6.2. Data setting Commands

Items	Commands:Parameters	Functions	
ID SET	RIS:p1p2	Projector ID setting	RIS:p1p2
INSTALLATION	OIL:0	Front/Floor	OIL:0
	OIL:1	Rear/Floor	OIL:1
	OIL:2	Front/Ceiling	OIL:2
	OIL:3	Rear/Ceiling	OIL:3
LAMP SELECT	LPM:0	Lamp selection	LPM:0
	LPM:1	0=DUAL 1=SINGLE	LPM:1
	LPM:2	2=LAMP1 3=LAMP2	LPM:2
	LPM:3		LPM:3
LAMP POWER	OLP:0	LAMP POWER setting	OLP:0
	OLP:1	0=HIGH 1=LOW	OLP:1
Lamp Cooling Time	OLC:0	normal	OLC:0
	OLC:1	short	OLC:1
SUB MEMORY	OCS:p1p2	SUB MEMORY switching	OCS:p1p2
SET DATE	TSD:y1y2y3y4 m1m2d1d2w	Date setting	TSD:y1y2y
SET TIME	TST:h1h2m1m2s1s2	Time setting	TST:h1h2n

***1 The input of p1p2p3 accepts any of the types +1, +01, +001, 1, 01, and 001.**

***2 The input of p1p2p3p4 accepts any of the types +1, +01, +001, +0001, 1, 01, 001, and 0001.**

***3 In the SINGLE mode, one of lamp 1 and lamp 2 whose used hours are shorter is turned on.**

***4 Set the date and time according to GMT (Greenwich Mean Time).**

5.6.3. Inquiry Commands

Items	Commands: Parameters	Functions	Callback	Interpretation	Remarks
POWER CONDITION	QPW	Inquiry about power	000	OFF	
			001	ON	
FREEZE	QFZ	Inquiry about freeze	0	OFF	
			1	ON	
SHUTTER	QSH	Inquiry about shutter	0	OFF	
			1	ON	
AUTO SETUP	QAS	Inquiry about auto setup	0	In Process	
			1	In Stop	
INPUT SIGNAL	QIN	Inquiry about input channel	RG1	RGB-1	
			RG2	RGB-2	
			VID	VIDEO	
			SVD	S-VIDEO	
			AUX	AUX	
	QIN:AW		AUX/AW1	AUX LINE	ET-MD95VM2 board
	QIN:AW		AUX/AW2	AUX Y/C	ET-MD95VM2 board
TEST	QTS	Inquiry about test pattern	p1p2		
ON SCREEN	QOS	Inquiry about on screen display	0	off	
			1	on	

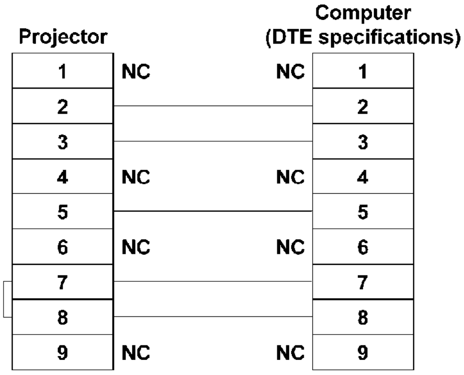
Items	Commands: Parameters	Functions	Callback	Interpretation	Remarks
PICTURE MODE	QPM	Inquiry about picture mode	NAT	NATURAL	
			STD	STANDARD	
			DYN	DYNAMIC	
			CIN	CINEMA	
			GRA	GRAPHIC	
COLOR	QVC	Inquiry about color	p1p2p3		
TINT	QVT	Inquiry about tint	p1p2p3		
COLOR TEMP.	QTE	Inquiry about color temperature	0	LOW	
			1	MIDDLE	
			2	HIGH	
			3	DYNAMIC	
			4	USER	
			5	STANDARD	
			6	NATURAL	
			7	CINEMA	
			8	GRAPHIC	
WHITE BALANCE LOW(R)	QOR	Inquiry about white balance low (R)	p1p2p3		
WHITE BALANCE LOW(G)	QOG	Inquiry about white balance low (G)	p1p2p3		
WHITE BALANCE LOW(B)	QOB	Inquiry about white balance low (B)	p1p2p3		
WHITE BALANCE HI(R)	QHR	Inquiry about white balance high (R)	p1p2p3		
WHITE BALANCE HI(G)	QHG	Inquiry about white balance high (G)	p1p2p3		
WHITE BALANCE HI(G)	QHB	Inquiry about white balance high (B)	p1p2p3		
CONTRAST	QVR	Inquiry about contrast	p1p2p3		
BRIGHTNESS	QVB	Inquiry about brightness	p1p2p3		
SHARPNESS	QVS	Inquiry about sharpness	p1p2p3		
NOISE REDUCTION	QNS	Inquiry about noise reduction	0	OFF	
			1	1	
			2	2	
			3	3	
AI CONTROL	QAI	Inquiry about AI control	0	OFF	
			1	ON	
Pull Down Mode	QPD	Inquiry about pull down mode	0	AUTO	
			1	OFF	
			2	2:2 ON	
COLOR MATCHING	QMC	Inquiry about color matching	0	OFF	
			1	USER	
GET COLOR MATCHING	QMR	Inquiry about color matching (R)	p1p2p3p4 p5p6p7p8 p9p10p11p12		
	QMG	Inquiry about color matching (G)	p1p2p3p4 p5p6p7p8 p9p10p11p12		
	QMB	Inquiry about color matching (B)	p1p2p3p4 p5p6p7p8 p9p10p11p12		
ZOOM(H)	QZH	Inquiry about horizontal magnification	p1p2p3		
ZOOM(V)	QZV	Inquiry about vertical magnification	p1p2p3		
ZOOM (H/V)	QZO	Inquiry about magnification	p1p2p3		
ZOOM (H/V gang control)	QZS	Inquiry about gang control for zoom	0	OFF	
			1	ON	

Items	Commands: Parameters	Functions	Callback	Interpretation	Remarks
BLANKING (UPPER)	QLU	Inquiry about blanking (upper)	p1p2p3		
BLANKING (LOWER)	QLB	Inquiry about blanking (lower)	p1p2p3		
BLANKING (LEFT)	QLL	Inquiry about blanking (left)	p1p2p3		
BLANKING (RIGHT)	QLR	Inquiry about blanking (right)	p1p2p3		
CLOCK PHASE	QCP	Inquiry about clock phase	p1p2p3		
INPUT RESOLUTION		Input resource setting			
total dots	QTD	Dot count	p1p2p3p4		
display dots	QDD	Dot count for display	p1p2p3p4		
total lines	QTL	Line count	p1p2p3p4		
display lines	QDL	Line count for display	p1p2p3p4		
KEYSTONE	QKS	Inquiry about trapezoidal correction	p1p2p3		
LINEARITY	QLI	Inquiry about trapezoidal linearity	p1p2p3		
LANGUAGE	QLG	Inquiry about language	ENG	English	
			DEU	German	
			FRA	French	
			ESP	Spanish	
			ITL	Italian	
			JPN	Japanese	
			CHI	Chinese	
INSTALLATION	QSP	Inquiry about installed condition	0	Front/Floor	
			1	Rear/Floor	
			2	Front/Ceiling	
			3	Rear/Ceiling	
SET RUNTIME	QST	Inquiry about uptime	p1p2p3p4p5	00000h to 99999h	
LAMP ON TIME (LAMP TIMER)	Q$L:p1 (p1 = 1 or 2)	Inquiry about lamp-on time (1=lamp 1 2=lamp 2)	p1p2p3p4		0000h to 9999h
LAMP SELECT	QSL	Inquiry about lamp selection	0	DUAL	
			1	SINGLE	
			2	LAMP1	
			3	LAMP2	
LAMP POWER	QLP	Inquiry about lamp power selection	0	HIGH	
			1	LOW	
Lamp Cooling Time	QLC	Inquiry about lamp cooling time	0	normal	
			1	short	
VPS SYSTEM	QVY	Inquiry about VPS system	0	SLAVE	
			1	MASTER	
GROUP GET	ADa1a2;QRG	Group acquisition	ADa1a2;RGSg1g2		
MASTER GET	ADg1g2;QRL	Group leader acquisition	ADa1a2;RLSa1a2		
RGB2 SELECT	QRI	Inquiry about RGB 2 selection	2IN	RGB2 IN	
			2OU	RGB1 OUT	
VIDEO SELECT	QM1	Inquiry about ET-MD95VM2 board input	0	LINE or Y/C	
			1	YCbCr	
VIDEO SYSTEM (VIDEO)	QY1	Inquiry about Video system (VIDEO)	AT1	AUTO1	
			AT2	AUTO2	
VIDEO SYSTEM (S-VIDEO)	QY2	Inquiry about Video system (S-VIDEO)	AT1	AUTO1	
			AT2	AUTO2	

Items	Commands: Parameters	Functions	Callback	Interpretation	Remarks
VIDEO SYSTEM (ET-MD95VM2 board LINE)	QY3	Inquiry about video system (ET-MD95VM2 board LINE)	AT1	AUTO1	
			AT2	AUTO2	
VIDEO SYSTEM (ET-MD95VM2 board Y/C)	QY4	Inquiry about video system (ET-MD95VM2 board Y/C))	AT1	AUTO1	
			AT2	AUTO2	
AUTOSETUP MODE	QAM	Inquiry about auto setup mode	0	USER	
			1	STANDARD	
			2	WIDE	
INPUT BOARD	QIB	Inquiry about input board	p1p2p3p4 --- (indefinite length)	MD95VM2	
				MD95SD1	
				MD95SD2	
				MD95SD3	
				MD95RGB	
				MD75NT	
				MD75DV	
				NONE	
				UNKNOWN	
				NOT SUPPORT	
TEMPERATURE	QTM:p1	Readout of temperature data	p1p2p3p4/p5p6p7p8 (Centigrade /Fahrenheit)	p1=0 intake	
				p1=1 exhaust	
				p1=2 optical module	
FAN CONTROL	QFM	Inquiry about fan control	0	NORMAL	
			1	HIGH	
P in P	QPP	Inquiry about P in P on/off	0	OFF	
			1	ON	
FUNCTION1	QFC	Inquiry about function 1	0	P in P	
			1	LAMP POWER	
			2	SIZE	
SUB MEMORY	QSB	Inquiry about sub memory	p1p2		
GET DATE	QGD	Inquiry about date	y1y2y3y4m1m2d1d2w	yyyymmdd (a day of the week)	A day of the week: Mon.=1 Tues.=2 -- Sun.=7
GET TIME	QGT	Inquiry about time	h1h2m1m2s1s2	hhmmss	

5.7. Cable specifications

<Connecting to a PC>


Projector
Computer
(DTE specifications)
1
2
3
4
5
6
7
8
9
NC
NC
NC
NC
NC
NC
NC
NC
1
2
3
4
5
6
7
8
9

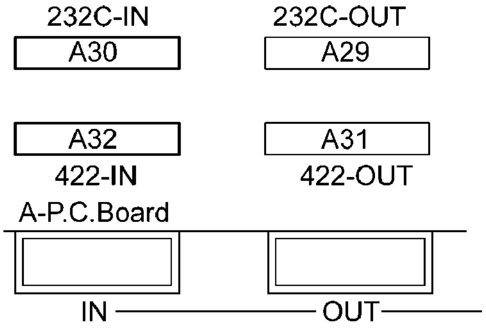
Note

To connect the computer to the SERIAL terminal, prepare an adequate communication cable that fits to your personal computer.

5.8. Converting to RS-422 Control Functions

The RS-232C terminal of the projector is available as a RS-422 control terminal. The factory default setting is RS-232C control terminal.

Converting the RS-232C-IN terminal to RS-422-IN terminal


232C-IN
A30
232C-OUT
A29
A32
422-IN
A31
422-OUT
A-P.C.Board
IN
OUT

(1) If the power of the projector is on, press the POWER OFF (⏻) button on the remote control unit or projector.

(2) Select "EXECUTE" using the ◀ or ▶ buttons and press the ENTER button.
Wait aboutfive minutes until the cooling fans stop.

(3) Turn off the MAIN POWER switch on the projector and unplug the power cord from the outlet.

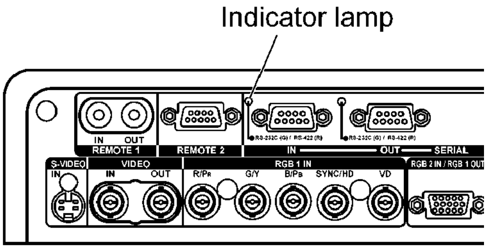
(4) Follow "11.3" to remove the upper cover.

(5) Remove the connector inserted into A30 on the A-P.C.Board and insert it into A32.

(6) Install the upper cover.

(7) Plug the projector to the outlet and turn on the MAIN POWER switch.

(8) Check that the indicator lamp at the left of the RS-232-IN terminal illuminates in red.


Indicator lamp
IN OUT
REMOTE 1
REMOTE 2
IN
OUT
SERIAL
S-VIDEO
IN
VIDEO
IN
OUT
RGB 1 IN
R/PR
G/Y
B/PB
SYNC/HD
VD
RGB 2 IN / RGB 1 OUT

Returning the RS-232C-IN terminal to RS-232C-IN terminal

(1) If the power of the projector is on, press the POWER OFF (⏻) button on the remote control unit or projector.

(2) Select "EXECUTE" using the ◀ or ▶ buttons and press the ENTER button.
Wait aboutfive minutes until the cooling fans stop.

(3) Turn off the MAIN POWER switch on the projector and unplug the power cord from the outlet.

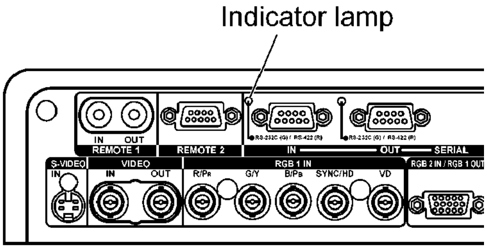
(4) Follow "11.3" to remove the upper cover.

(5) Remove the connector inserted into A32 on the A-P.C.Board and insert it into A30.

(6) Install the upper cover.

(7) Plug the projector to the outlet and turn on the MAIN POWER switch.

(8) Check that the indicator lamp at the left of the RS-232-IN terminal illuminates in green.


Indicator lamp
IN
OUT
REMOTE 1
REMOTE 2
IN
OUT
SERIAL
S-VIDEO
IN
VIDEO
IN
OUT
RGB 1 IN
R/PR
G/Y
B/PB
SYNC/HD
VD
RGB 2 IN / RGB 1 OUT

Converting the RS-232C-OUT terminal to RS-422-OUT terminal

(1) If the power of the projector is on, press the POWER OFF (⏻) button on the remote control unit or projector.

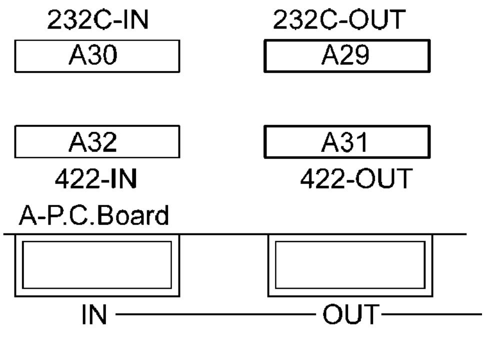
(2) Select "EXECUTE" using the ◀ or ▶ buttons and press the ENTER button.
Wait aboutfive minutes until the cooling fans stop.

(3) Turn off the MAIN POWER switch on the projector and unplug the power cord from the outlet.

(4) Follow "11.3" to remove the upper cover.

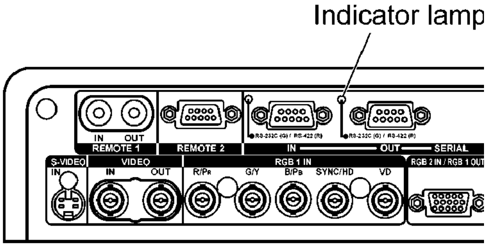
(5) Remove the connector inserted into A29 on the A-P.C.Board and insert it into A31.

(6) Install the upper cover.


232C-IN
232C-OUT
A30
A29
A32
A31
422-IN
422-OUT
A-P.C.Board
IN
OUT

(7) **Plug the projector to the outlet and turn on the MAIN POWER switch.**

(8) **Check that the indicator lamp at the left of the RS-232-IN terminal illuminates in red.**


Indicator lamp
IN
OUT
REMOTE 1
REMOTE 2
RS-232C (G) / RS-422 (R)
RS-232C (G) / RS-422 (R)
IN
OUT
SERIAL
S-VIDEO
IN
VIDEO
IN
OUT
RGB 1 IN
R/PR
G/Y
B/PB
SYNC/HD
VD
RGB 2 IN / RGB 1 OUT

Returning the RS-232C-OUT terminal to RS-232C-OUT terminal

(1) **If the power of the projector is on, press the POWER OFF (⏻) button on the remote control unit or projector.**

(2) **Select "EXECUTE" using the ◀ or ▶ buttons and press the ENTER button.**
Wait aboutfive minutes until the cooling fans stop.

(3) **Turn off the MAIN POWER switch on the projector and unplug the power cord from the outlet.**

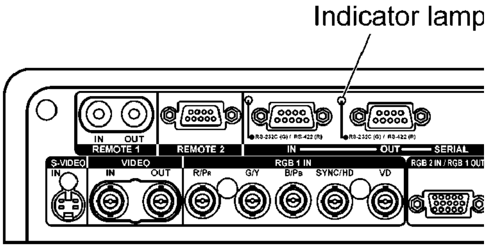
(4) **Follow "11.3" to remove the upper cover.**

(5) **Remove the connector inserted into A31 on the A-P.C.Board and insert it into A29.**

(6) **Install the upper cover.**

(7) **Plug the projector to the outlet and turn on the MAIN POWER switch.**

(8) **Check that the indicator lamp at the left of the RS-232-IN terminal illuminates in green.**


Indicator lamp
IN
OUT
REMOTE 1
REMOTE 2
RS-232C (G) / RS-422 (R)
RS-232C (G) / RS-422 (R)
IN
OUT
SERIAL
S-VIDEO
IN
VIDEO
IN
OUT
RGB 1 IN
R/PR
G/Y
B/PB
SYNC/HD
VD
RGB 2 IN / RGB 1 OUT

Pin Assignments in the RS-422 Control Mode

Pin Assignments in the RS-422 Control Mode

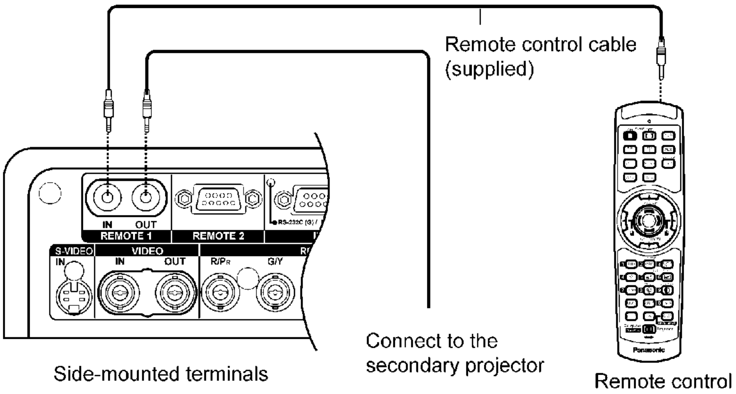
RS-422-IN		
Pin number	Signal name	Description
1	NC	No connection
2	TXD(—)	Sends data (—)
3	RXD(+)	Receives data (+)
4	—	Connected internally to pin 6
5	NC	No connection
6	—	Connected internally to pin 4
7	TXD(+)	Sends data (+)
8	RXD(—)	Receives data (—)
9	FG	GND

RS-422-OUT		
Pin number	Signal name	Description
1	NC	No connection
2	RXD(—)	Sends data (—)
3	TXD(+)	Receives data (+)
4	—	Connected internally to pin 6
5	NC	No connection
6	—	Connected internally to pin 4
7	RXD(+)	Sends data (+)
8	TXD(—)	Receives data (—)
9	FG	GND

6. Using a Wired Remote Control

6.1. Connection Example

When two or more projectors are connected in the system, connect the projectors with the supplied remote control cable to simultaneously control the projectors with a remote control unit through the REMOTE1 IN/OUT terminal. It is effectiveto use the wired remote control in the environment in which an obstacle stands in the light path or where the system is susceptible to outside light.



6.2. Setting the Projector ID Number for Remote Control

Every projector has its ID number and the ID number of the controlling projector must be set to the remote control in advance so that the user can operate the remote control. The ID number of the projector is set to “ALL” on shipping,and use the ID ALL button of the remote control when using only one projector.

Procedure of ID setting

Press the ID SET button, and within five seconds, use the NEXT button to set the number of the ten place in the ID number, which is already set in the projector, and then use one of the numeric (0-9) buttons to set the number of the one place.However,if the ID ALL button is pressed, the projector can be controlled regardless of the ID number of the projector (simultaneous control mode).

- **If the ID SET button is pressed, the ID number goes back to the one set before pressing the ID SET button unless the NEXT button and a numeric button are pressed within five seconds after the ID SET button is pressed.**
- **Do not press the ID SET button accidentally or carelessly because the ID number on the remote control can be set even when no projector is around.**
- **Your specified ID number is stored in the remote control unit unless another one is specified later. However, the stored ID will be erased if the batteries of the remote control are left exhausted. When the dry cells are replaced, setthe same ID number again.**

7. Support for Service

7.1. Supporting Methods

We will support according to the following methods.

Supporting methods	Applied parts
Replaced by module or block	Ballast power supply
Replaced by discrete components	Other components
Replacd at the manufacturing department	Optical block unit (including DMD ™ devices) [FM] DMD ™ drive module

7.2. Note for Replacement of P.C.Boards

7.2.1. When replacing the A-P.C.Board

- **Transfer the data of the original A-P.C.Board to the new A-P.C.Board using the adjustment software and a personal computer. (If you cannot transfer the data, remove IC2611, IC2618, and IC2619 from the original board and mount them on thenew board.)**
  *** For the adjustment software, consult an authorized service center.**

7.2.2. When replacing the X-P.C.Board

- **Be sure to turn off the MAIN POWER switch before removing the X-P.C.Board. If replacing this board during standby condition, the projector may suffer damage.**
- **After replacing the X-P.C.Board, no adjustment is necessary.**

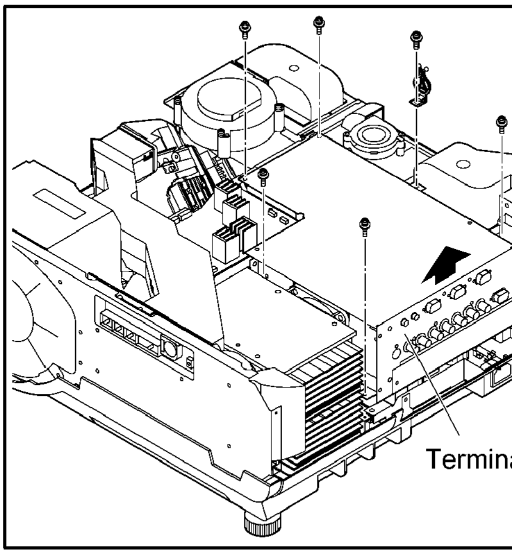
7.3. Jig for X-P.C.Board

To check the X-P.C.Board during operation, a jig is necessary. (Jig part number:TZSH07011)
*** Consult an authorized service center to get the jig.**

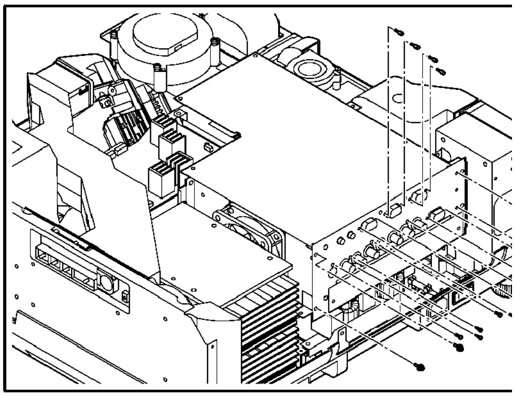
Connecting the jig

(1) **Follow "11.3" to remove the upper cover.**

(2) **Unscrew the screw on the harness clamper, 2 screws on the A-P.C.Board,and the 3 screws terrminal block and lift the block a little.**

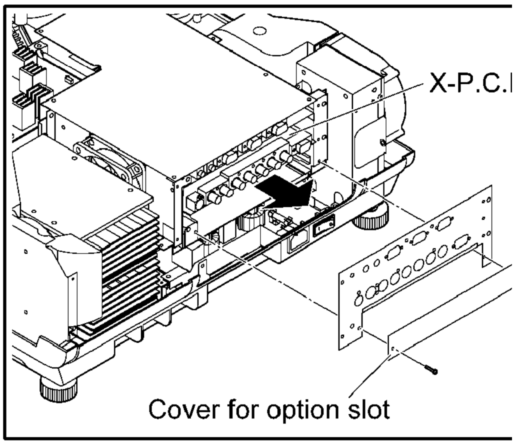


(3) **Unscrew the 8 hexagon screws and 9 screws on the terminal plate.**



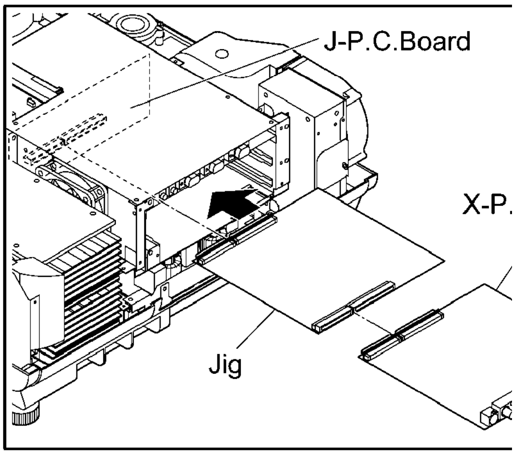
(4) **Unscrew the 2 screws on the cover for option slot.**

(5) **Slide out the X-P.C.Board to disconnect it from the connectors on the J-P.C.Board.**



(6) **Instead of the X-P.C.Board, connect the jig into the connector on the J-P.C.Board.**

(7) **Connect the X-P.C.Board into the connector on the jig.**



7.4. Replacement of the lithium battery on the R-P.C.Board

If the lithium battery becomes exhausted, replace it with a new one.

Cautions

- **Explosion may occur if replacing the battery with an incorrect one.**
- **Dispose of used batteries according to the instructions.**

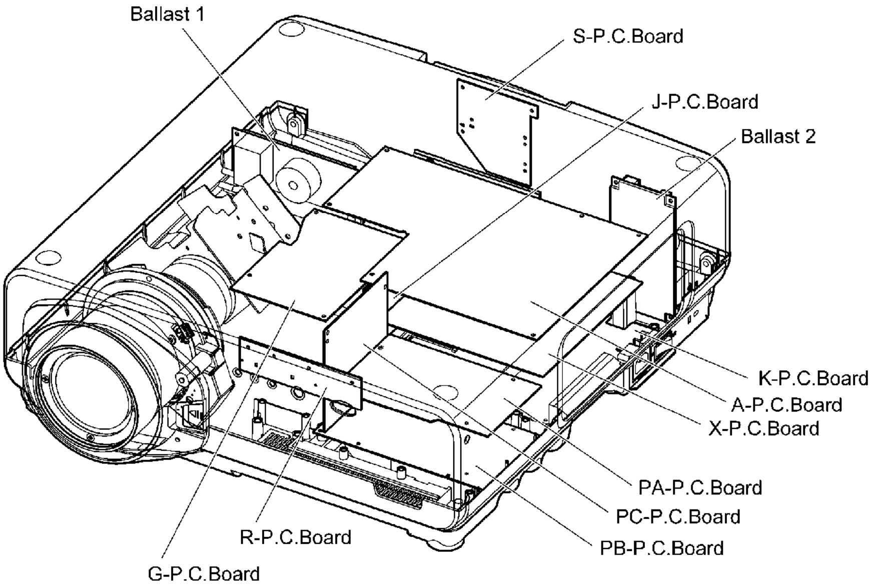
8. Cautions for Service

- **Never unplug the power cord from the outlet, open the circuit breaker, or perform other procedures to cut off the power line during the operation of any cooling fan.**

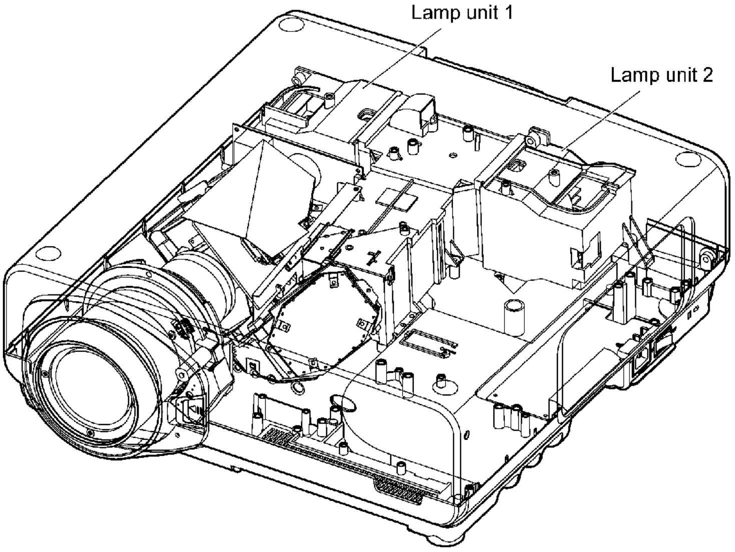
  To turn off the projector, press the POWER OFF (⏻) button on the remote control unit or projector and wait about four minutes until the cooling fans stop (The power indicator lamp onthe projector illuminates in orange).
- **Be sure to check that the cooling fans have stopped (The power indicator lamp illuminates in red). After that, turn off the MAIN POWER switch.**
- **This projector emits strong light, so never look into the lens. If doing so, your eyes can suffer damage.**

9. Parts Location

9.1. Electrical Parts Location


Ballast 1
S-P.C.Board
J-P.C.Board
Ballast 2
K-P.C.Board
A-P.C.Board
X-P.C.Board
PA-P.C.Board
PC-P.C.Board
PB-P.C.Board
R-P.C.Board
G-P.C.Board

9.2. Electromechanical Parts Location


Lamp unit 1
Lamp unit 2

10. Replacement of Lamp Unit

Cautions

- **Wait until the lamp cools completely before removing the lamp unit.**

10.1. Notes for Lamp Unit Replacement

- **Be careful to handle a lamp because the lamp may burst if hitting it with solid objects or if dropping it. The lamp has high air pressure in the bulb.**
- **A used lamp may burst if handling carelessly, so ask an industrial waste disposal contractor.**

- Do not reset the cumulative time, except when the lamp unit has been replaced with a new one.

- If you continue to use a lamp after the time to be replaced, the lamp may burst.

- A Philips screwdriver is necessary when replacing the lamp unit. Be careful not to slip your hand when using a screwdriver.

- The lamp unit is an optional part. Contact your dealer for a replacement part.
Lamp unit No.: ET-LAD7500 (single bulb), ET-LAD7500W (double bulbs)
Rating: 300 W 65 V

- You cannot use a lamp other than the above. Be sure to use the specified one.

10.2. Timing of Lamp Unit Replacement

The lamp has a life of about 1500 hours when the lamp output is HIGH, but the life depends on characteristics of individual lamps and operating conditions. The life is affected by the number of times the lamp turns on and off and by the intervalfrom when the lamp turns off and turns on, so the lamp may go dead before reaching 1500 hours and it is strongly recommended to keep a spare lamp. If the lamp is not replaced after 1300 hours, the projector will be automatically turned off and setto the standby mode at the time of 1500 hours

- **Indication after 1300 hours**
  When the lamp unit used hours have reached 1300 hours, the lamp monitor (LAMP 1 or LAMP 2) lights up during operation or standby and the on-screen display will appear for about 30 seconds as shown at right to recommend the lamp unit replacement.
  (The on-screen display will also disappear when pressing any button on the remote control unit or projector.)
  After 1500 hours, the on-screen display will not disappear unless you use the MENU button.

REPLACE THE LAMP

10.3. Lamp Monitor

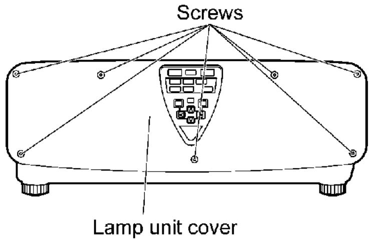
	Lighting mode	State	Check point	Action
Lamp Monitor LAMP1 ◎ LAMP2 ◎	Lights up in red.	Indicates that the lamp unit should be replaced.	Does not the indication "REPLACE THE LAMP" appear when turning on the projector?	The lamp used hours has reached 1300 hours or more, so ask your dealer to replace the lamp unit.
	Blinks three times.	Detects the malfunction of the lamp circuit.	Is the AC power source voltage lower than the rated?	Follow steps (1) to (3) of "5.8." to turn off the MAIN POWER switch and consult your dealer.

10.4. Procedure of Lamp Unit Replacement

1. **Turn the projector off by following steps (1) to (3) of "5.8.", remove the power plug and check that the surroundings of the lamp unit have cooled off.**

2. **Use a Philips screwdriver to remove the 7 screws on the lamp unit cover located on the rear of the projector.**

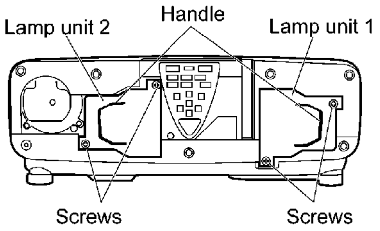
3. **Remove the lamp unit cover.**



4. **Use a Phillips screwdriver to loosen the 2 screws on the lamp unit to be replaced until the screws turn freely. Then hold the handle of the lamp unit and gently pull it out from the projector.**

Caution

The lamp unit will be hot after it has been used.
You may get burned if you touch it while it is still hot.

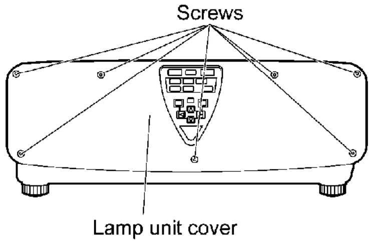


5. **Install the new lamp unit.**

6. **Use a Phillips screwdriver to tighten the 2 screws on the lamp unit.**

7. **Install the lamp unit cover, and use a Phillips screwdriver to tighten the 7 screws on the lamp unit cover.**

Caution • Firmly install the lamp unit and lamp unit cover. If not installed firmly, a protection circuit will function and the power will not be turned on.



NOTE:

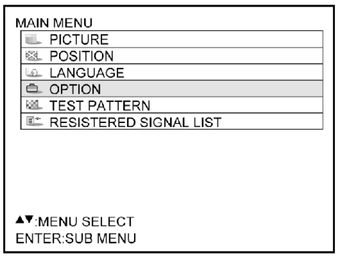
- **Be sure to follow steps 8 to 14 in ten minutes after turning on the projector because the projector is turned off in ten minutes if the RUNTIME indication is 1 500h or more.**

8. Insert the power cord plug into the wall outlet and then press the MAIN POWER switch.

Note • If the power does not turn on even after turning the MAIN POWER switch " I ", turn the MAIN POWER switch to "O", check that the lamp unit and door are installed correctly, and turn it on again.

9. Press the " I " (POWER) button to project a picture.

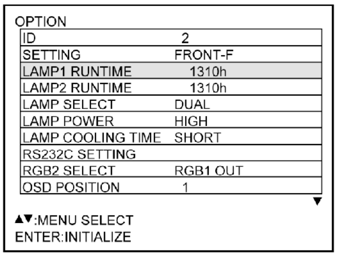
10. Press the MENU button to display the MAIN MENU screen, and press the ▲ and ▼ buttons to select "OPTION".


MAIN MENU
PICTURE
POSITION
LANGUAGE
OPTION
TEST PATTERN
RESISTERED SIGNAL LIST
▲▼:MENU SELECT
ENTER:SUB MENU

11. Press the ENTER button to display the OPTION screen, and then use the ▲ and ▼ buttons to select "LAMP1 RUNTIME" or "LAMP2 RUNTIME".

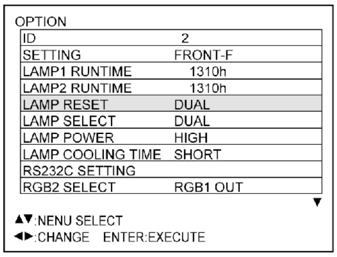
12. Press and hold the ENTER button for approximately 3 seconds.
The item "LAMP RESET" will be added.

Note • When you press the MENU button, the lamp reset display disappears.


OPTION
▼
▲▼:MENU SELECT
ENTER:INITIALIZE

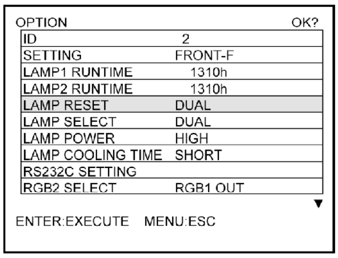
ID	2
SETTING	FRONT-F
LAMP1 RUNTIME	1310h
LAMP2 RUNTIME	1310h
LAMP SELECT	DUAL
LAMP POWER	HIGH
LAMP COOLING TIME	SHORT
RS232C SETTING	
RGB2 SELECT	RGB1 OUT
OSD POSITION	1

13. Press the ▲ and ▼ buttons to select the lamp setting.
LAMP1: When replacing the LAMP UNIT 1
LAMP2: When replacing the LAMP UNIT 2
DUAL: When replacing the LAMP UNIT 1 and LAMP UNIT 2


OPTION
▼
▲▼:NENU SELECT
◀▶:CHANGE ENTER:EXECUTE

ID	2
SETTING	FRONT-F
LAMP1 RUNTIME	1310h
LAMP2 RUNTIME	1310h
LAMP RESET	DUAL
LAMP SELECT	DUAL
LAMP POWER	HIGH
LAMP COOLING TIME	SHORT
RS232C SETTING	
RGB2 SELECT	RGB1 OUT

14. Press the ENTER button. When "OK?" is displayed, press the ENTER button.
The used hours of the specified lamp unit will be reset to zero.

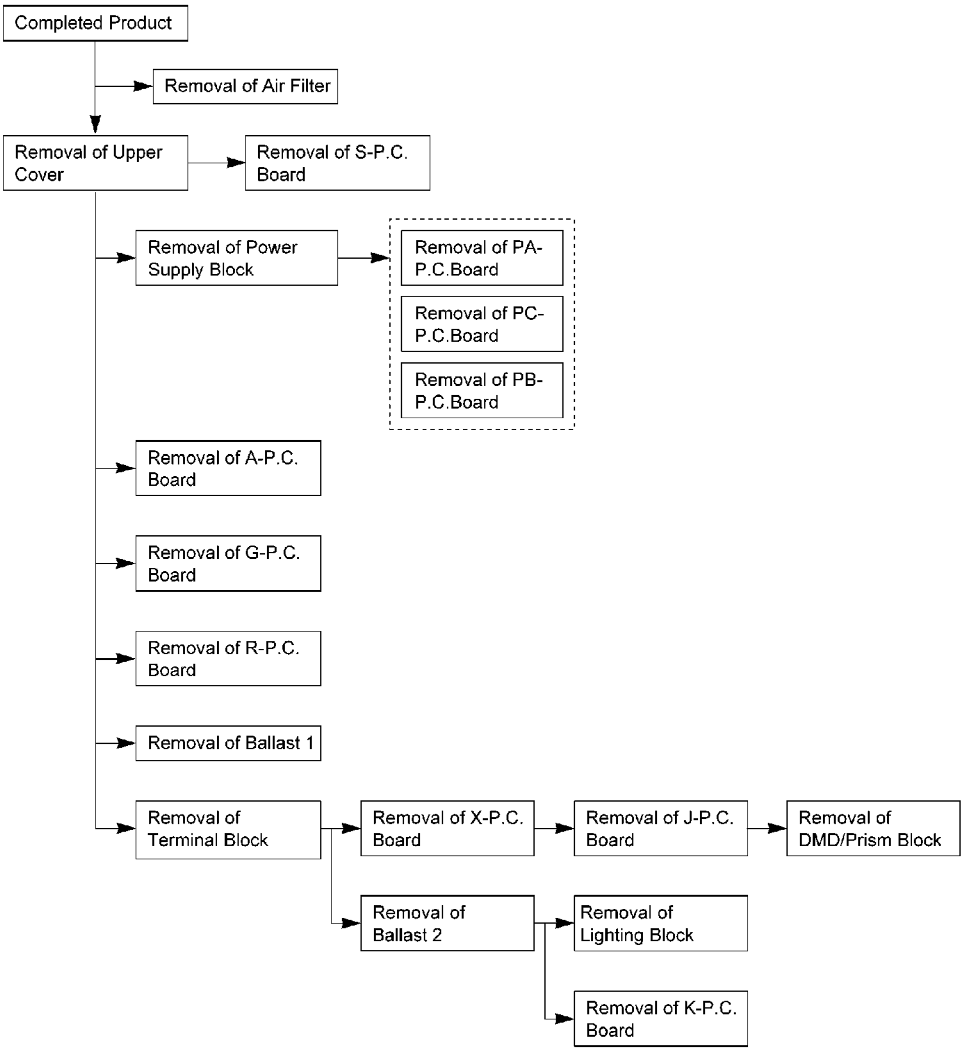

OPTION
OK?
▼
ENTER:EXECUTE MENU:ESC

ID	2
SETTING	FRONT-F
LAMP1 RUNTIME	1310h
LAMP2 RUNTIME	1310h
LAMP RESET	DUAL
LAMP SELECT	DUAL
LAMP POWER	HIGH
LAMP COOLING TIME	SHORT
RS232C SETTING	
RGB2 SELECT	RGB1 OUT

11. Disassembly Instructions

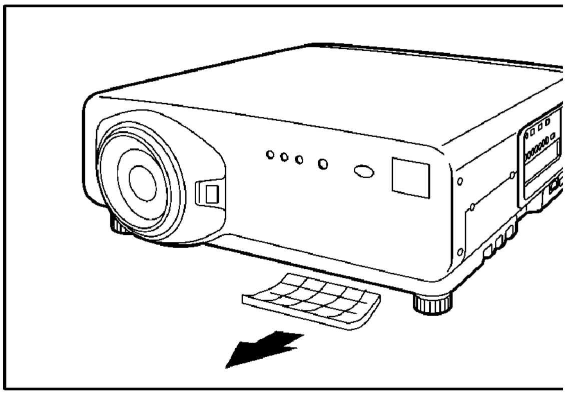
11.1. Flowchart for Disassembly

To assemble, reverse the disassembly procedures.

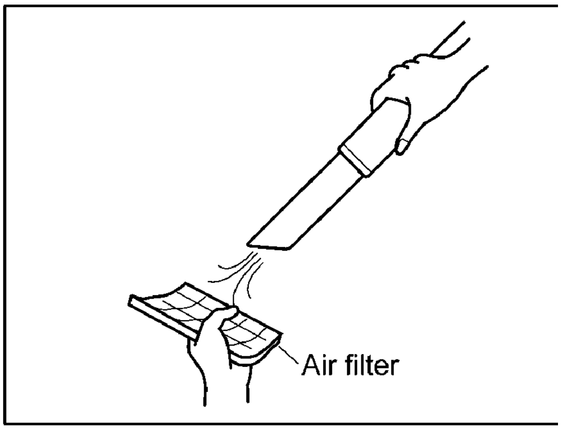

Completed Product
Removal of Air Filter
Removal of Upper Cover
Removal of S-P.C. Board
Removal of Power Supply Block
Removal of PA-P.C.Board
Removal of PC-P.C.Board
Removal of PB-P.C.Board
Removal of A-P.C. Board
Removal of G-P.C. Board
Removal of R-P.C. Board
Removal of Ballast 1
Removal of Terminal Block
Removal of X-P.C. Board
Removal of J-P.C. Board
Removal of DMD/Prism Block
Removal of Ballast 2
Removal of Lighting Block
Removal of K-P.C. Board

11.2. Air Filter Cleaning

(1) **Pull out the air filter to remove it.**



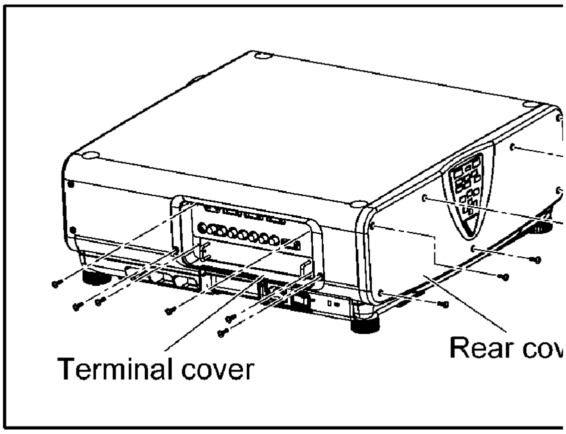
(2) **Clean the air filter using a vacuum cleaner.**



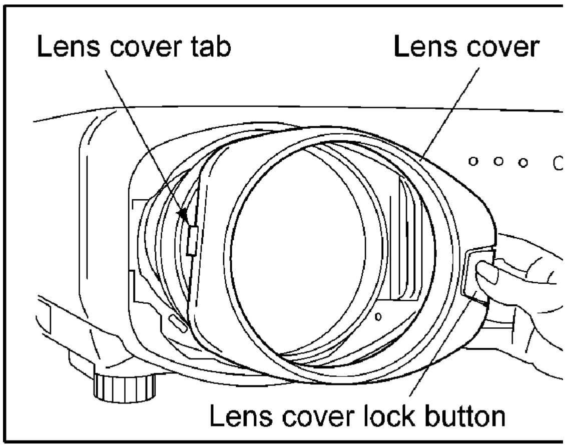
11.3. Removal of Upper Cover

(1) **Unscrew the 7 screws to remove the rear cover.**

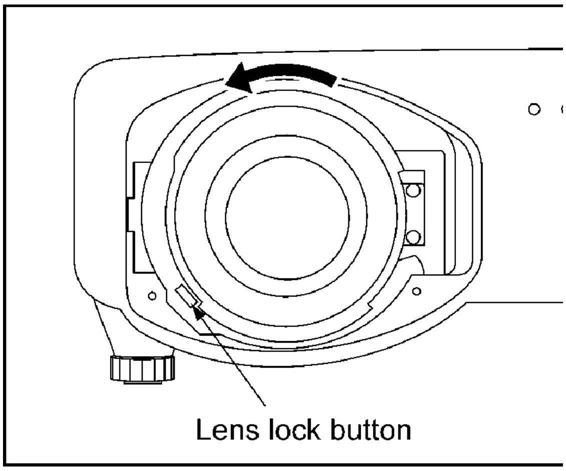
(2) **Unscrew the 6 screws to remove the terminal cover.**


Terminal cover
Rear cov

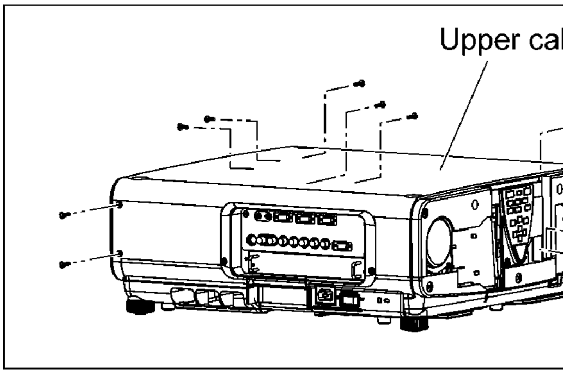
(3) While pressing the lens cover lock button, pull the lens cover forward to remove it.
(Be careful not to damage the tab on the left side of the lens cover.)


Lens cover tab
Lens cover
Lens cover lock button

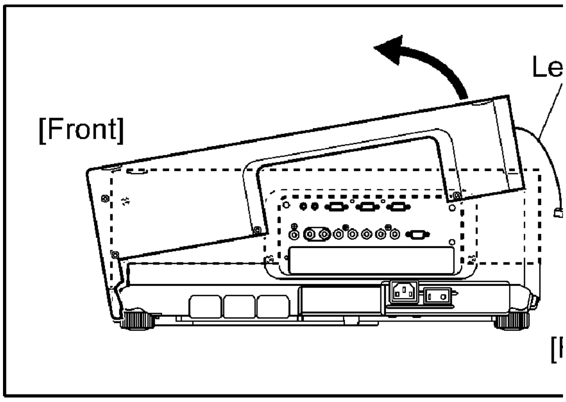
(4) While pressing the lens lock button, turn the lens counterclockwise to remove it.


Lens lock button

(5) Unscrew the 2 screws on the front.
(6) Unscrew the 6 screws on the sides.
(7) Unscrew the 2 screws on the rear.



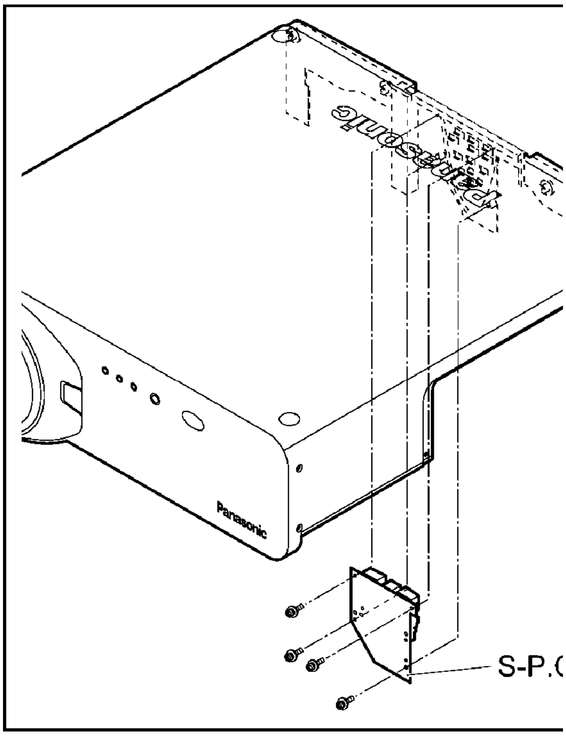
(8) Lift the rear cover's side of the upper cover to disconnect the A26 connector and to remove the lead wires from the clamper.
After that, remove the upper cover while tilting it forward.
(Becareful to prevent entanglement with the lead wires from the control panel.)



11.4. Removal of S-P.C.Board

(1) Follow"11.3." to remove the upper cover.

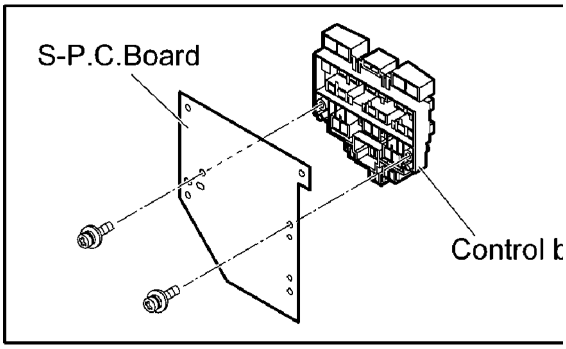
(2) Unscrew the 4 screws on the S-P.C.Board.



Panasonic
S-P.(

(3) Unscrew the 2 screws to remove the control buttons.

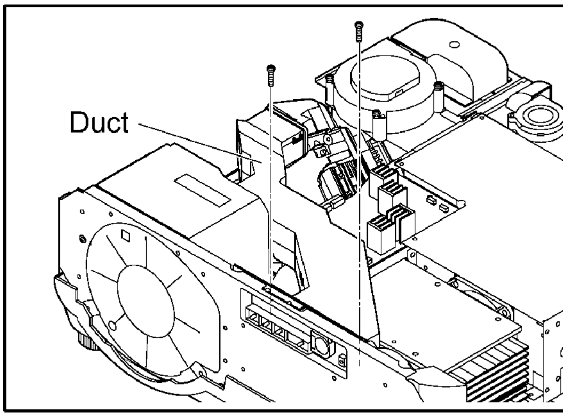
(4) Disconnect the S1 connector and remove the S-P.C.Board.



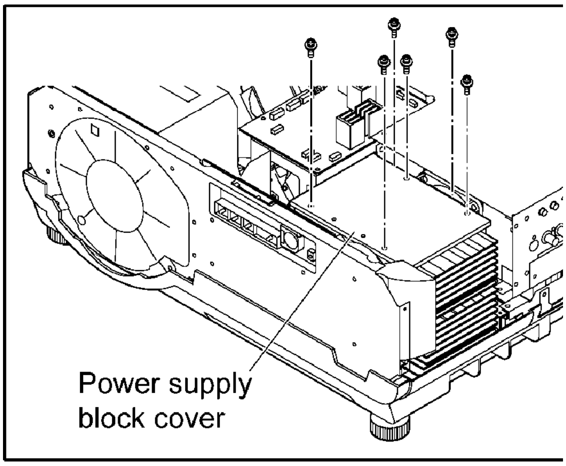
S-P.C.Board
Control b

11.5. Removal of Power Supply Block

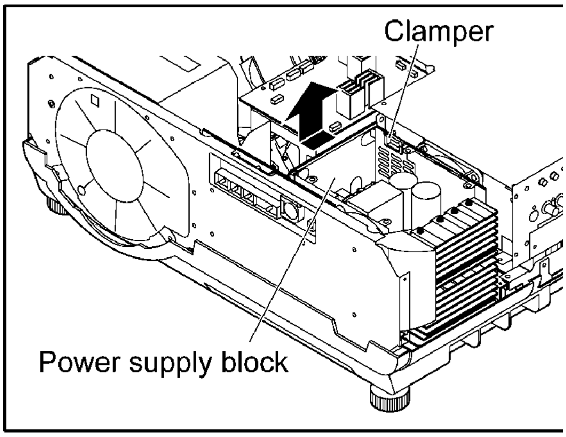
1. **Follow "11.3."to remove the upper cover.**
2. **Unscrew the 2 screws to remove the duct.**



3. **Unscrew the 2 screws on the power supply block.**
4. **Unscrew the 4 screws on the power supply block cover to remove it.**

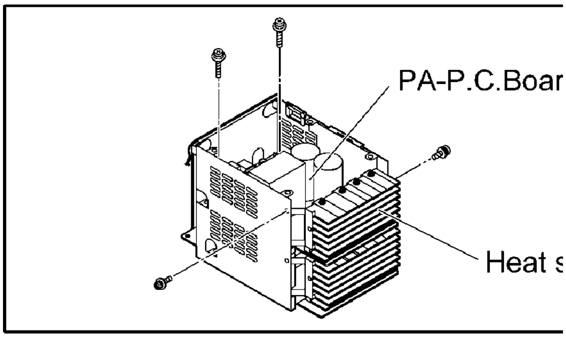

Power supply
block cover

5. **Disconnect the PA1, PA2, and PA3 connectors and unlock the clamper.**
6. **Disconnect all the connectors on the PC-P.C.Board.**
7. **Slide the power supply block to the center direction of the projector to remove it from the chassis.**


Clamper
Power supply block

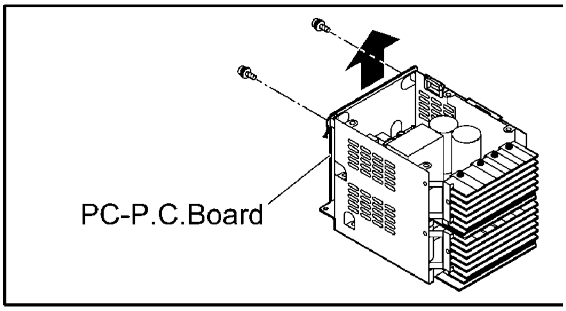
11.6. Removal of PA-P.C.Board

(1) Follow "11.3." to remove the upper cover.
(2) Follow "11.5." to remove the power supply block.
(3) Unscrew the 2 screws on the upper heat sink.
(4) Unscrew the 2 screws (18-mm screws) on the PA-P.C.Board.
(5) Disconnect the PA2 and PA5 connectors.



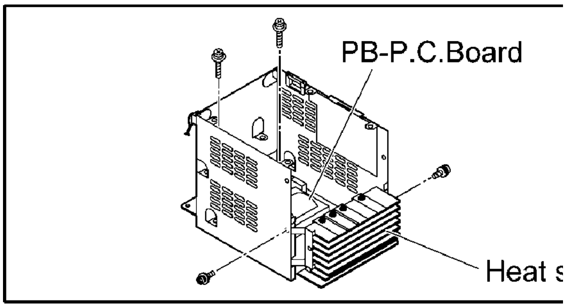
11.7. Removal of PC-P.C.Board

(1) Follow "11.3." to remove the upper cover.
(2) Follow "11.5." to remove the power supply block.
(3) Unscrew the 2 screws on the PC-P.C.Board.
(4) Lift the PC-P.C.Board to disconnect it from the connectors on the PB-P.C.Board.



11.8. Removal of PB-P.C.Board

(1) Follow "11.3." to remove the upper cover.
(2) Follow "11.5." to remove the power supply block.
(3) Follow "11.6." to remove the PA-P.C.Board.
(4) Follow "11.7." to remove the PC-P.C.Board.
(5) Unscrew the 2 screws on the under heat sink.
(6) Unscrew the 2 screws on the PB-P.C.Board.
(7) Remove the PB-P.C.Board.



11.9. Removal of A-P.C.Board

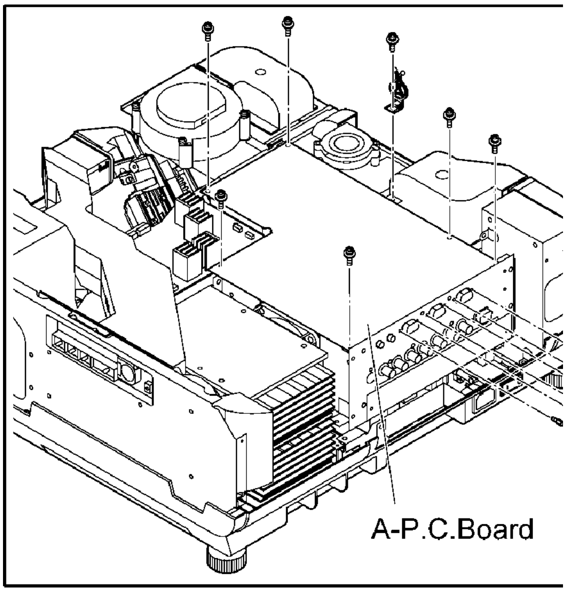
(1) **Follow "11.3." to remove the upper cover.**

(2) **Disconnect all the connectors on the A-P.C.Board.**

(3) **Unscrew the screw on the harness clamper.**

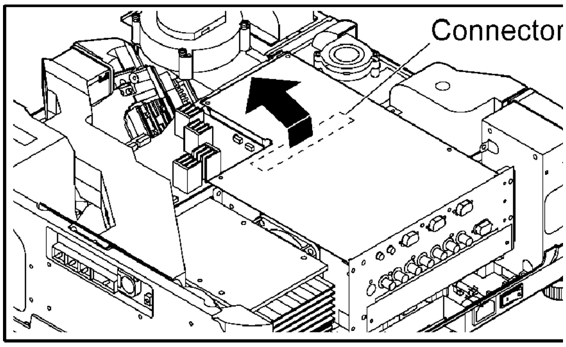
(4) **Unscrew the 6 screws on the A-P.C.Board.**

(5) **Unscrew the 6 hexagon screws on the terminal block.**



(6) **Lift the connector part of the A-P.C.Board to disconnect the connectors.**

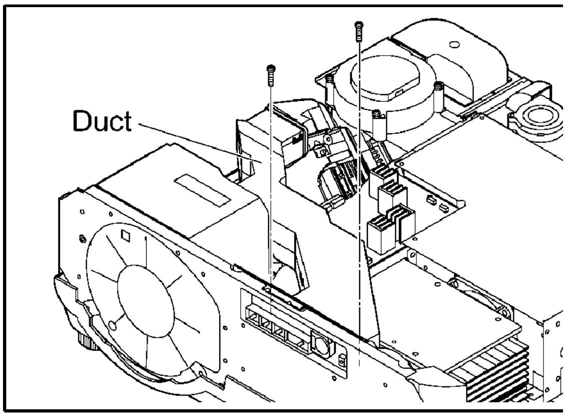
(7) **Remove the A-P.C.Board.**



11.10. Removal of G-P.C.Board

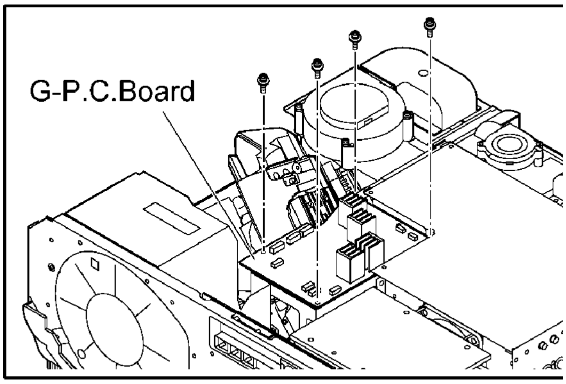
(1) Follow "11.3." to remove the upper cover.

(2) Unscrew the 2 screws on the duct.



(3) Disconnect the connectors.

(4) Unscrew the 4 screws on the G-P.C.Board.

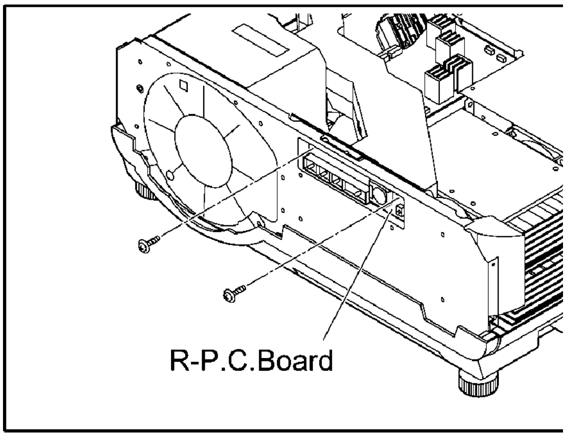


11.11. Removal of R-P.C.Board

(1) Follow "11.3."to remove the upper cover.

(2) Unscrew the 2 screws on the R-P.C.Board.

(3) Disconnect the R1 connector and remove the R-P.C.Board.

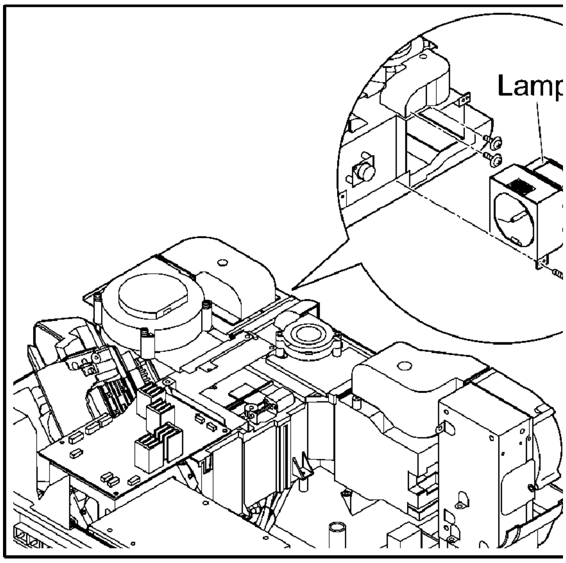


11.12. Removal of Ballast 1

(1) Follow "11.3." to remove the upper cover.

(2) Unscrew the 2 screws on the lamp 1 to remove it.

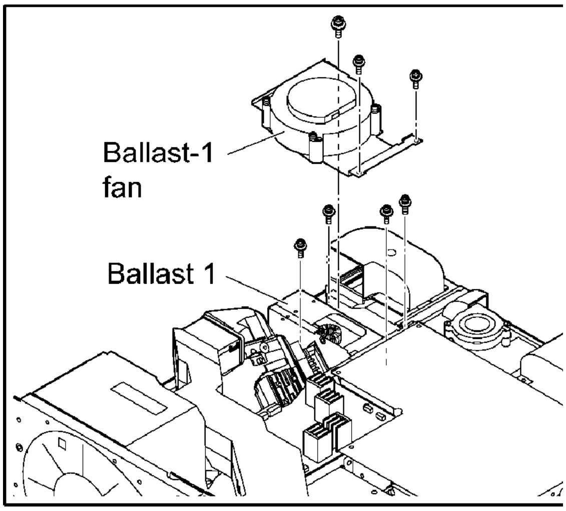
(3) Unscrew the 2 screws on the lamp-1 connection coupler.



(4) Unscrew the 3 screws on the bracket for the ballast-1 fan.

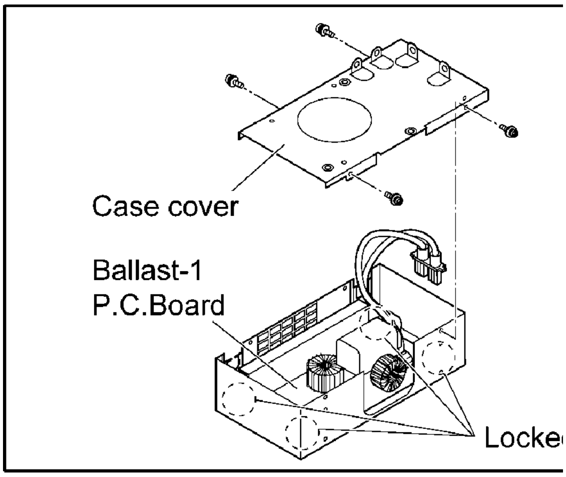
(5) Unscrew the 3 screws on the ballast 1.

(6) Unscrew the screw that secures the earth wire.


Ballast-1 fan
Ballast 1

(7) Unscrew the 4 screws on the case cover.

(8) Unlock the locked parts of the ballast-1 P.C.Board (4 places) to remove the P.C.Board.


Case cover
Ballast-1 P.C.Board
Locke

11.13. Removal of Terminal Block

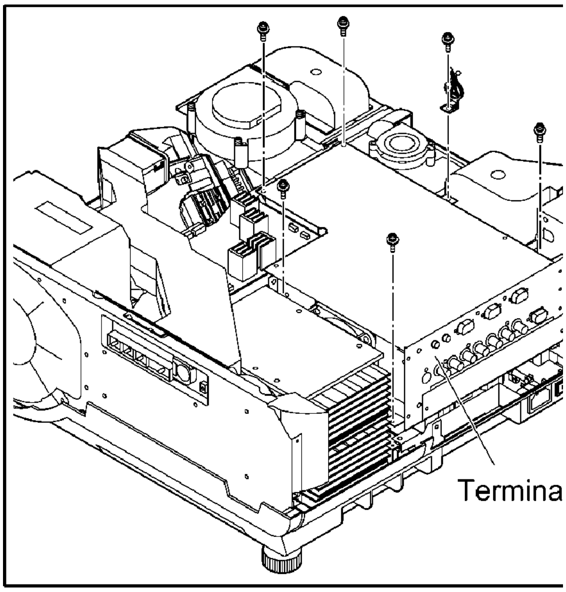
(1) **Follow "11.3." to remove the upper cover.**

(2) **Disconnect all the connectors on the A-P.C.Board.**

(3) **Unscrew the screw on the harness clamper.**

(4) **Unscrew the 2 screws on the A-P.C.Board.**

(5) **Unscrew the 3 screws on the terminal block.**



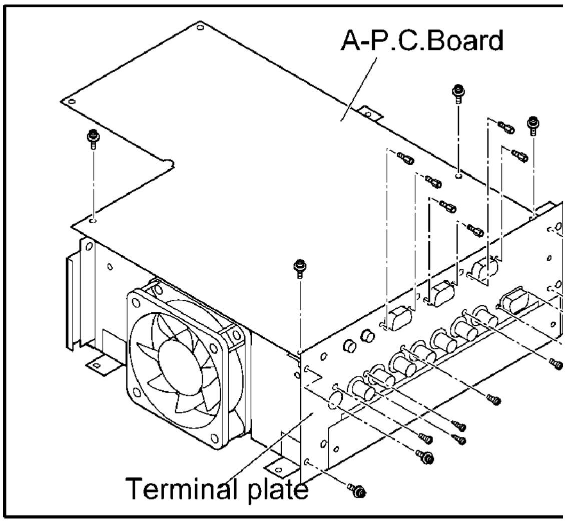
11.14. Removal of X-P.C.Board

(1) **Follow "11.3." to remove the upper cover.**

(2) **Follow "11.13." to remove the terminal block.**

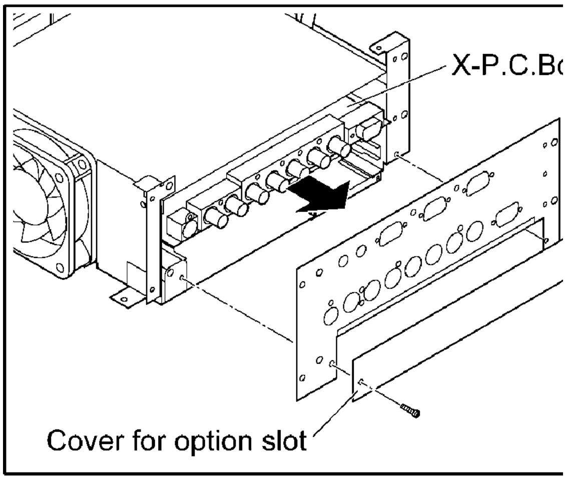
(3) **Unscrew the 4 screws on the A-P.C.Board.**

(4) **Unscrew the 8 hexagon screws and 9 screws.**


A-P.C.Board
Terminal plate

(5) **Unscrew the 2 screws on the cover for option slot.**

(6) **Slide out the X-P.C.Board to disconnect it from the connectors on the J-P.C.Board.**


X-P.C.Bo
Cover for option slot

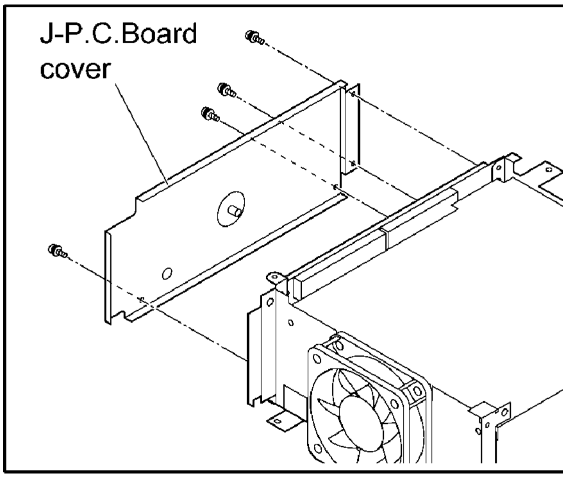
11.15. Removal of J-P.C.Board

(1) Follow "11.3." to remove the upper cover.

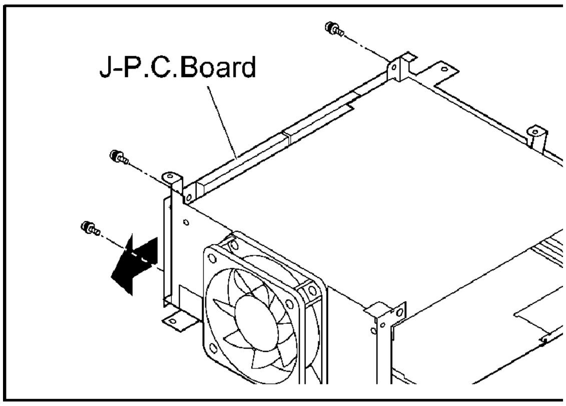
(2) Follow "11.13." to remove the terminal block.

(3) Follow "11.14." to remove the X-P.C.Board

(4) Unscrew the 4 screws on the J-P.C.Board cover.



(5) Unscrew the 3 screws to remove the J-P.C.Board.

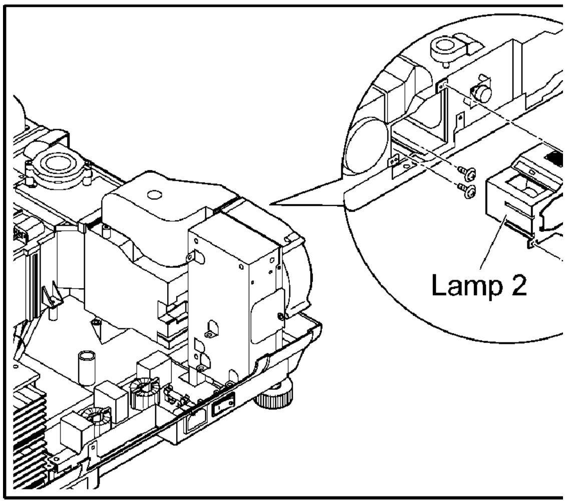


11.16. Removal of Ballast 2

(1) **Follow "11.3." to remove the upper cover.**

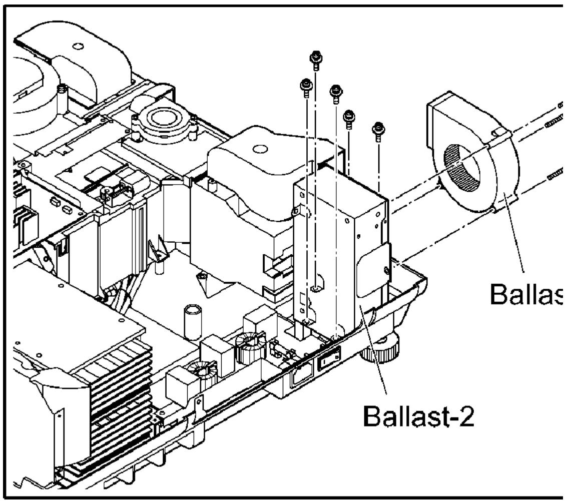
(2) **Unscrew the 2 screws on the lamp 2 to remove it.**

(3) **Unscrew the 2 screws on the lamp-2 connection coupler.**



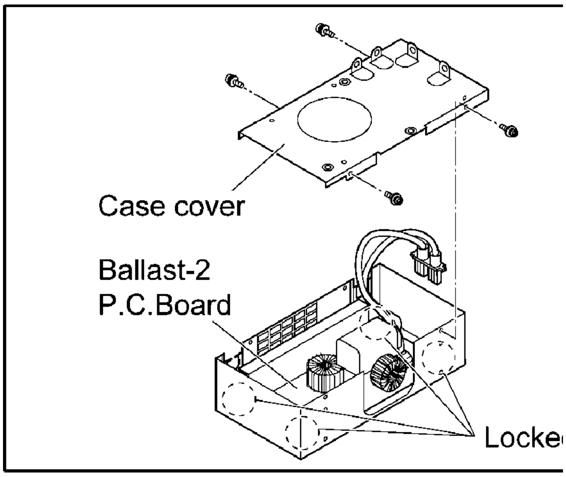
(4) **Unscrew the 3 screws on the ballast-2 fan.**

(5) **Unscrew the 5 screws on the ballast 2.**


Ballas
Ballast-2

(6) **Unscrew the 4 screws on the case cover.**

(7) **Unlock the locked parts of the ballast-2 P.C.Board (4 places) to remove the P.C.Board.**


Case cover
Ballast-2
P.C.Board
Locke

11.17. Removal of K-P.C.Board

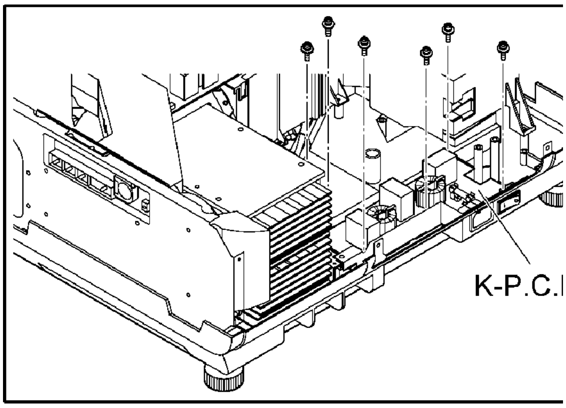
(1) Follow "11.3." to remove the upper cover.

(2) Follow "11.13." to remove the terminal block.

(3) Follow "11.16."to remove the ballast 2.

(4) Disconnect all the connectors on the K-P.C.Board.

(5) Unscrew the 5 screws on the K-P.C.Board and the screw for the earth to remove the P.C.Board.



11.18. Removal of Lighting Block

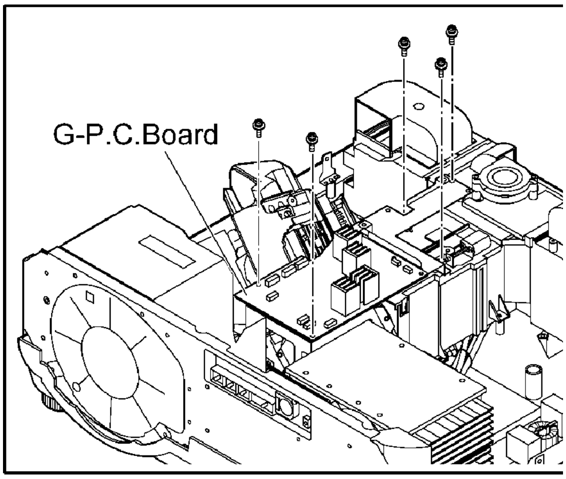
(1) Follow "11.3." to remove the upper cover.

(2) Follow "11.13."to remove the terminal block.

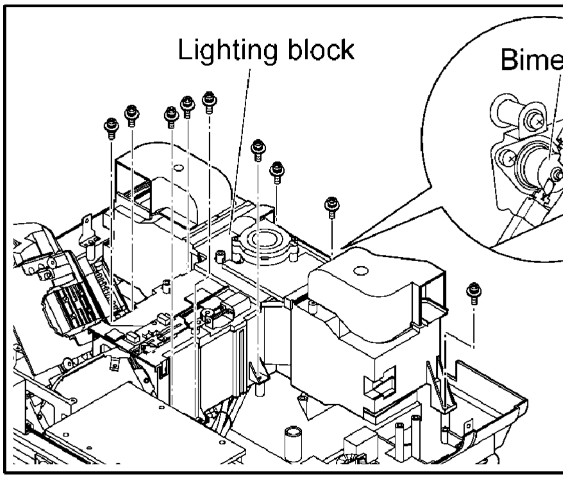
(3) Follow "11.16." to remove the ballast 2.

(4) Follow "11.12." to remove the ballast 1.

(5) Unscrew the 2 screws on the G-P.C.Board and 3 screws on its bracket.

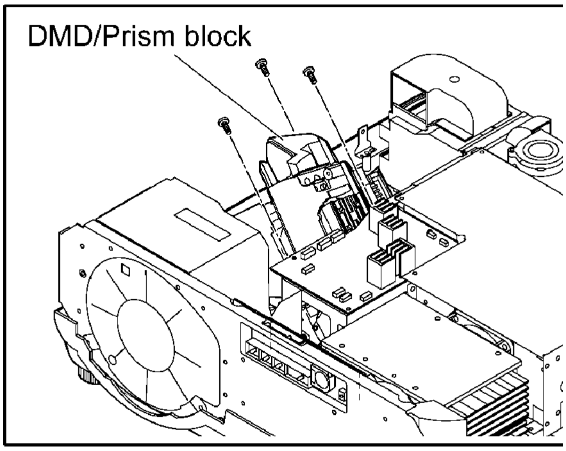


(6) Unscrew the 9 screws on the lighting block and disconnect the bimetal connector.



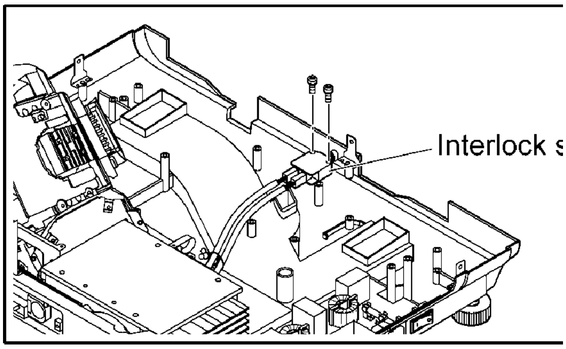
11.19. Removal of DMD/Prism Block

(1) Follow "11.3." to remove the upper cover.
(2) Unscrew the 2 screws to remove the duct.
(3) Unscrew the 3 screws to remove the fan block.
(4) Remove the flexible cables and disconnect the connectors.
(5) Unscrew the 3 screws on the DMD/prism block.



11.20. Removal of Interlock Switch

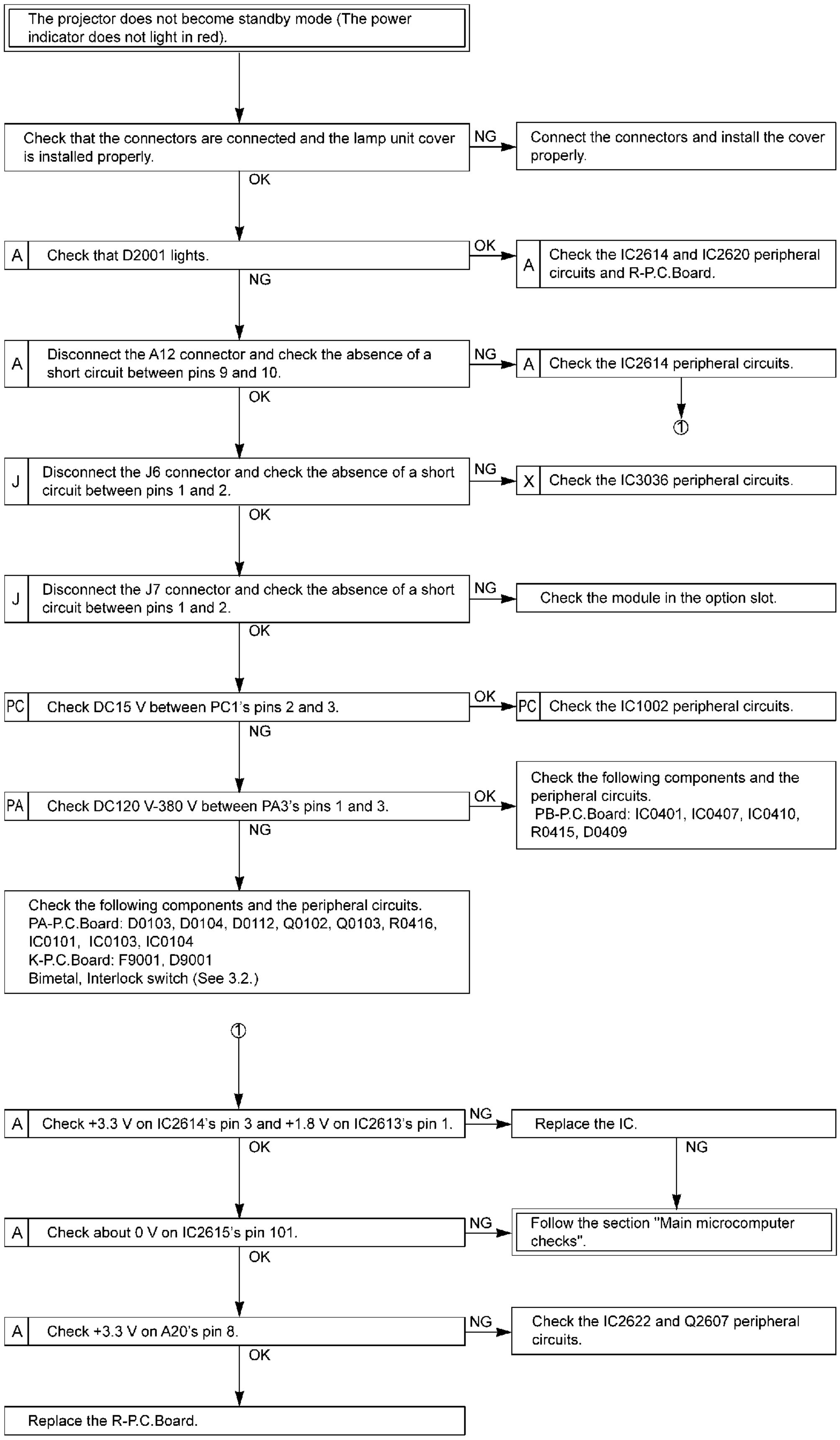
(1) Follow "11.3." to remove the upper cover.
(2) Follow "11.13."to remove the terminal block.
(3) Follow "11.16." to remove the ballast 2.
(4) Follow "11.12." to remove the ballast 1.
(5) Follow "11.18." to remove the lighting block.
(6) Disconnect the two connectors.
(7) Unscrew the 2 screws on the interlock switch.

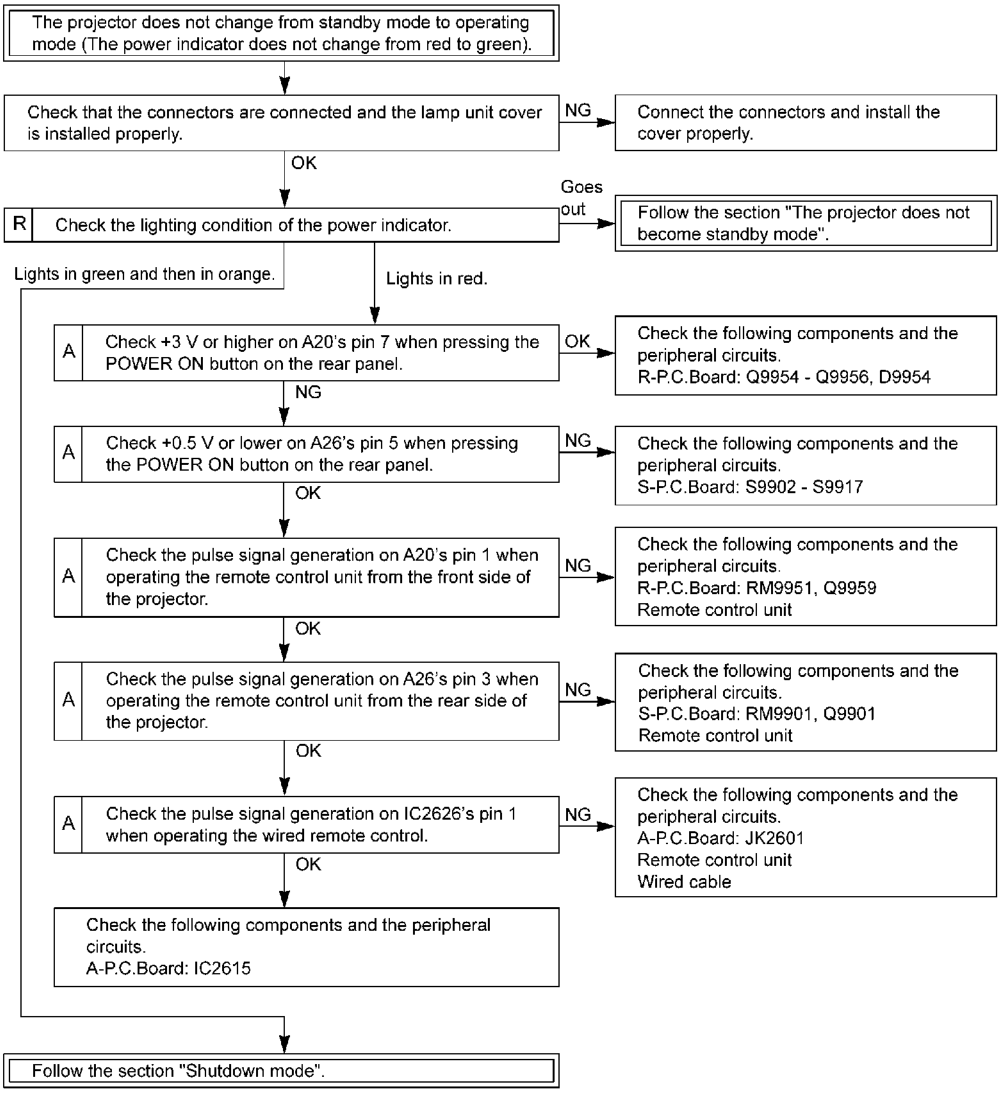


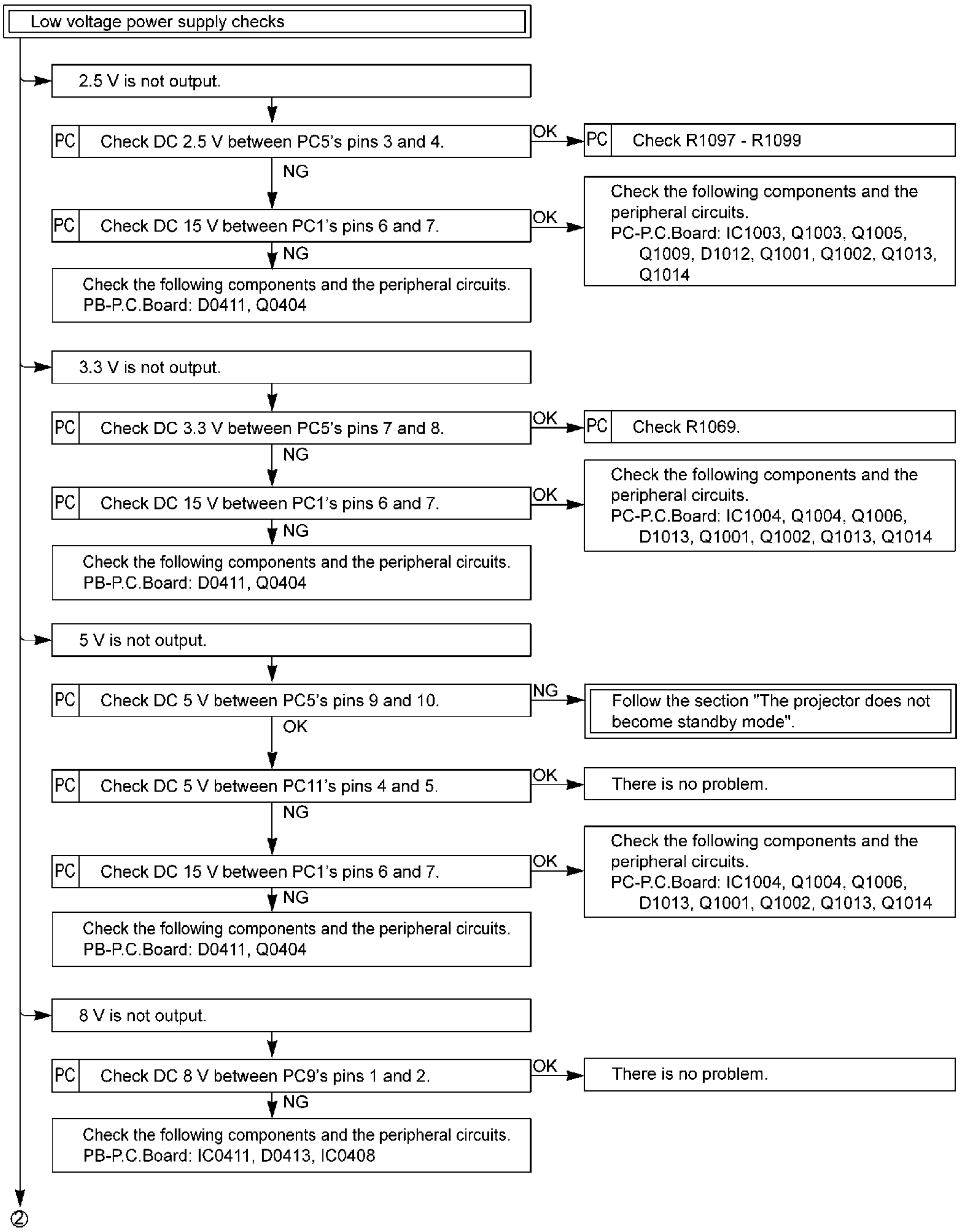
12. Troubleshooting

The alphabets in the left box of the inspection items indicate the names of P.C.Boards or modules to be checked.

12.1. Power Supply Checks


The projector does not become standby mode (The power indicator does not light in red).
Check that the connectors are connected and the lamp unit cover is installed properly.
NG
Connect the connectors and install the cover properly.
OK
A
Check that D2001 lights.
OK
A
Check the IC2614 and IC2620 peripheral circuits and R-P.C.Board.
NG
A
Disconnect the A12 connector and check the absence of a short circuit between pins 9 and 10.
NG
A
Check the IC2614 peripheral circuits.
①
OK
J
Disconnect the J6 connector and check the absence of a short circuit between pins 1 and 2.
NG
X
Check the IC3036 peripheral circuits.
OK
J
Disconnect the J7 connector and check the absence of a short circuit between pins 1 and 2.
NG
Check the module in the option slot.
OK
PC
Check DC15 V between PC1's pins 2 and 3.
OK
PC
Check the IC1002 peripheral circuits.
NG
PA
Check DC120 V-380 V between PA3's pins 1 and 3.
OK
Check the following components and the peripheral circuits.
PB-P.C.Board: IC0401, IC0407, IC0410, R0415, D0409
NG
Check the following components and the peripheral circuits.
PA-P.C.Board: D0103, D0104, D0112, Q0102, Q0103, R0416, IC0101, IC0103, IC0104
K-P.C.Board: F9001, D9001
Bimetal, Interlock switch (See 3.2.)
①
A
Check +3.3 V on IC2614's pin 3 and +1.8 V on IC2613's pin 1.
NG
Replace the IC.
NG
OK
A
Check about 0 V on IC2615's pin 101.
NG
Follow the section "Main microcomputer checks".
OK
A
Check +3.3 V on A20's pin 8.
NG
Check the IC2622 and Q2607 peripheral circuits.
OK
Replace the R-P.C.Board.


The projector does not change from standby mode to operating mode (The power indicator does not change from red to green).
Check that the connectors are connected and the lamp unit cover is installed properly.
NG
Connect the connectors and install the cover properly.
OK
R
Check the lighting condition of the power indicator.
Goes out
Follow the section "The projector does not become standby mode".
Lights in green and then in orange.
Lights in red.
A
Check +3 V or higher on A20's pin 7 when pressing the POWER ON button on the rear panel.
OK
Check the following components and the peripheral circuits.
R-P.C.Board: Q9954 - Q9956, D9954
NG
A
Check +0.5 V or lower on A26's pin 5 when pressing the POWER ON button on the rear panel.
NG
Check the following components and the peripheral circuits.
S-P.C.Board: S9902 - S9917
OK
A
Check the pulse signal generation on A20's pin 1 when operating the remote control unit from the front side of the projector.
NG
Check the following components and the peripheral circuits.
R-P.C.Board: RM9951, Q9959
Remote control unit
OK
A
Check the pulse signal generation on A26's pin 3 when operating the remote control unit from the rear side of the projector.
NG
Check the following components and the peripheral circuits.
S-P.C.Board: RM9901, Q9901
Remote control unit
OK
A
Check the pulse signal generation on IC2626's pin 1 when operating the wired remote control.
NG
Check the following components and the peripheral circuits.
A-P.C.Board: JK2601
Remote control unit
Wired cable
OK
Check the following components and the peripheral circuits.
A-P.C.Board: IC2615
Follow the section "Shutdown mode".



Low voltage power supply checks

2.5 V is not output.

PC Check DC 2.5 V between PC5's pins 3 and 4.

PC Check R1097 - R1099

PC Check DC 15 V between PC1's pins 6 and 7.

Check the following components and the peripheral circuits.
PC-P.C.Board: IC1003, Q1003, Q1005, Q1009, D1012, Q1001, Q1002, Q1013, Q1014

Check the following components and the peripheral circuits.
PB-P.C.Board: D0411, Q0404

3.3 V is not output.

PC Check DC 3.3 V between PC5's pins 7 and 8.

PC Check R1069.

PC Check DC 15 V between PC1's pins 6 and 7.

Check the following components and the peripheral circuits.
PC-P.C.Board: IC1004, Q1004, Q1006, D1013, Q1001, Q1002, Q1013, Q1014

Check the following components and the peripheral circuits.
PB-P.C.Board: D0411, Q0404

5 V is not output.

PC Check DC 5 V between PC5's pins 9 and 10.

Follow the section "The projector does not become standby mode".

PC Check DC 5 V between PC11's pins 4 and 5.

There is no problem.

PC Check DC 15 V between PC1's pins 6 and 7.

Check the following components and the peripheral circuits.
PC-P.C.Board: IC1004, Q1004, Q1006, D1013, Q1001, Q1002, Q1013, Q1014

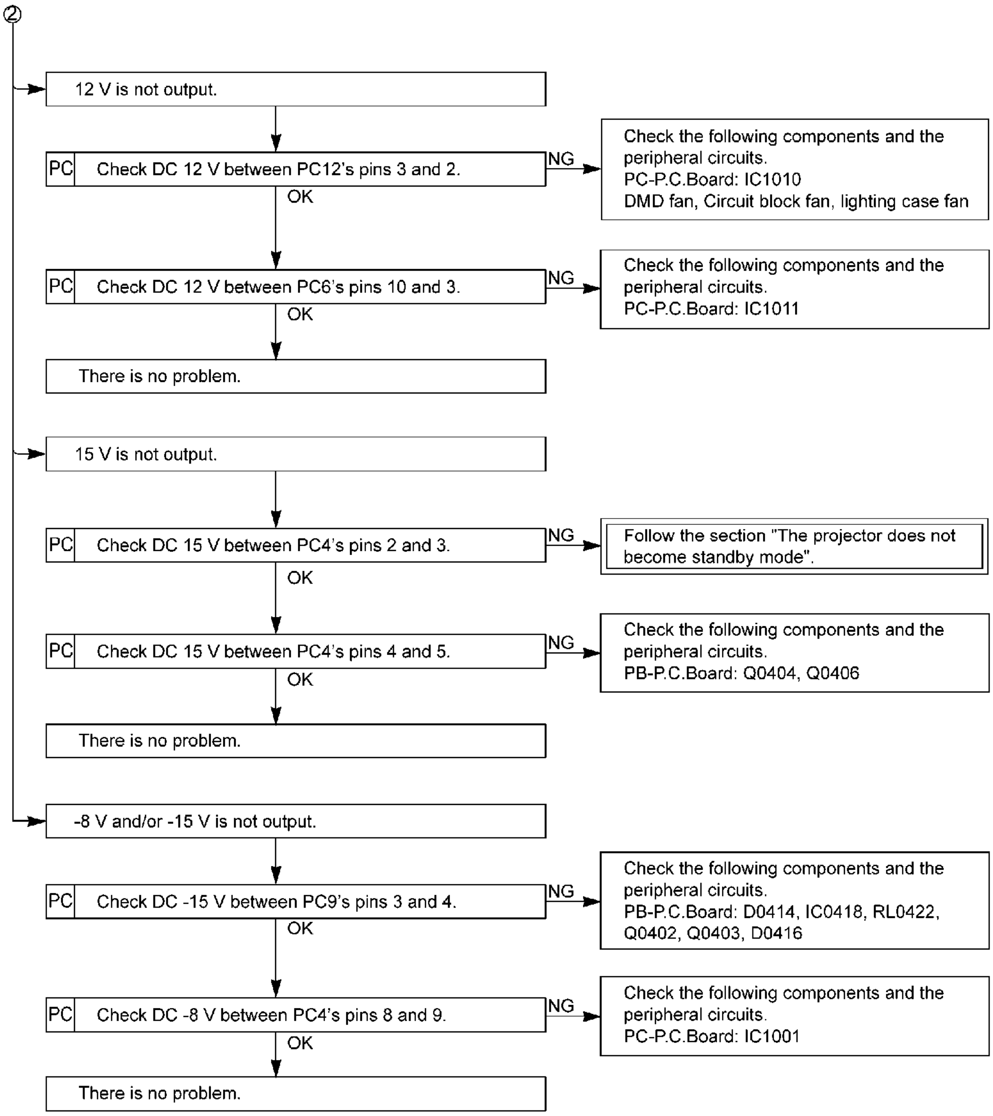
Check the following components and the peripheral circuits.
PB-P.C.Board: D0411, Q0404

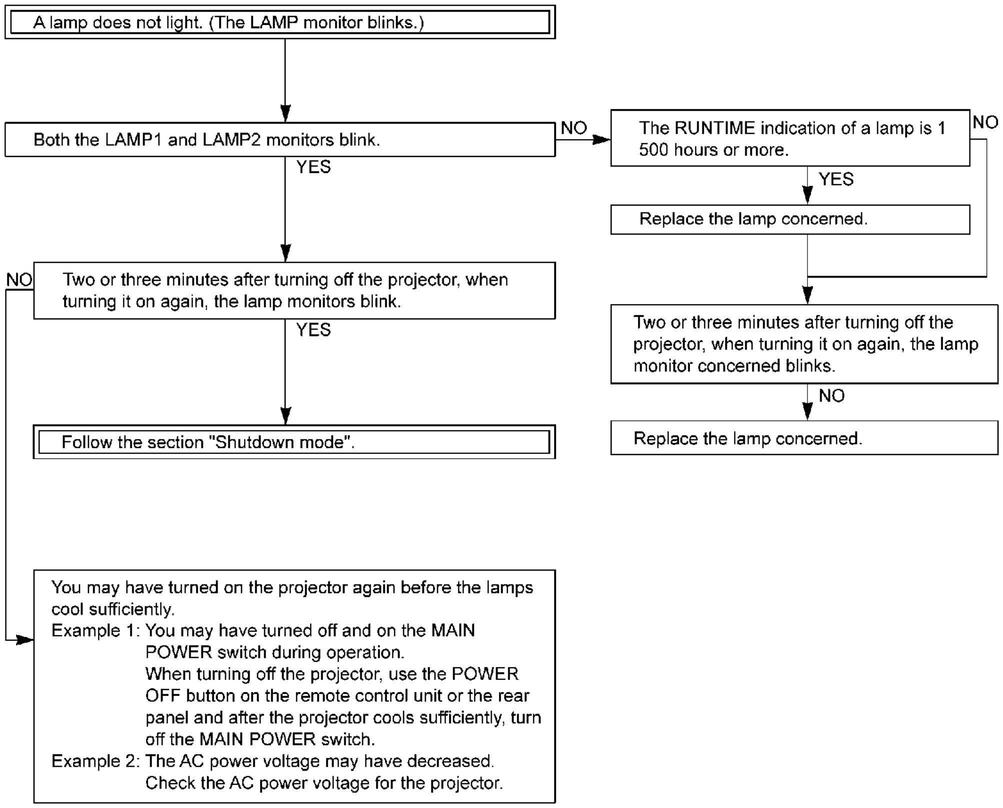
8 V is not output.

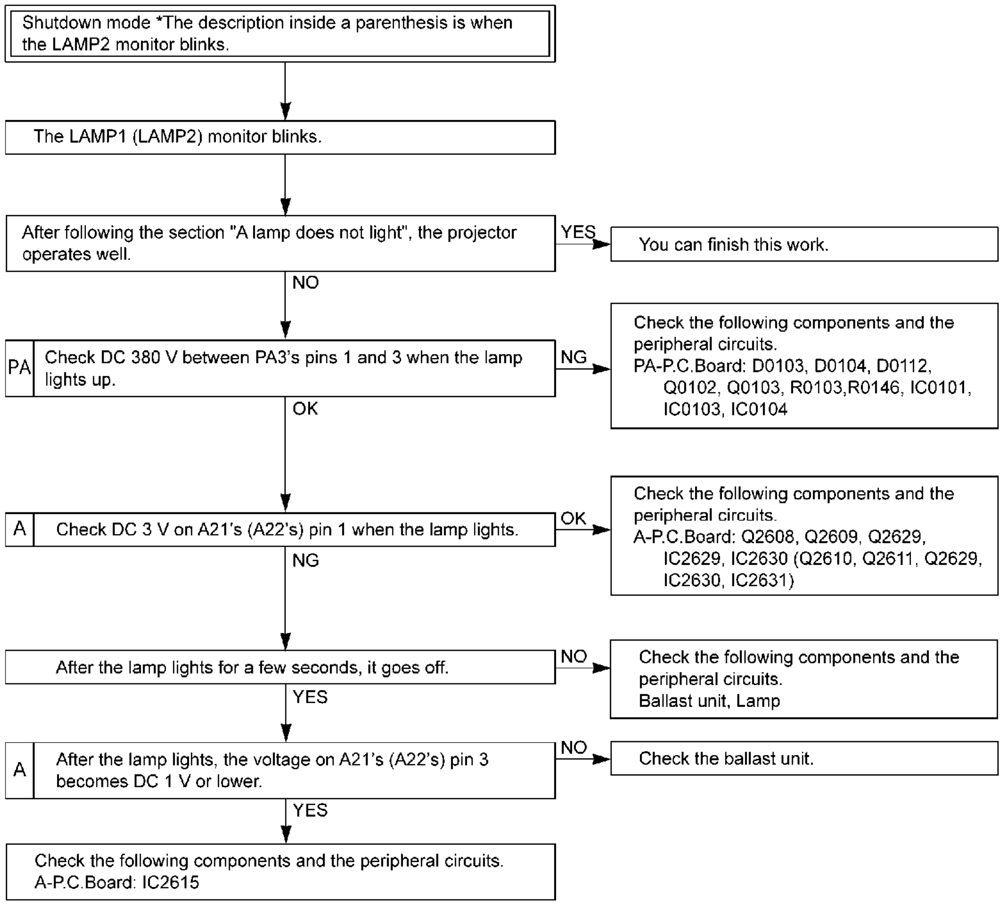
PC Check DC 8 V between PC9's pins 1 and 2.

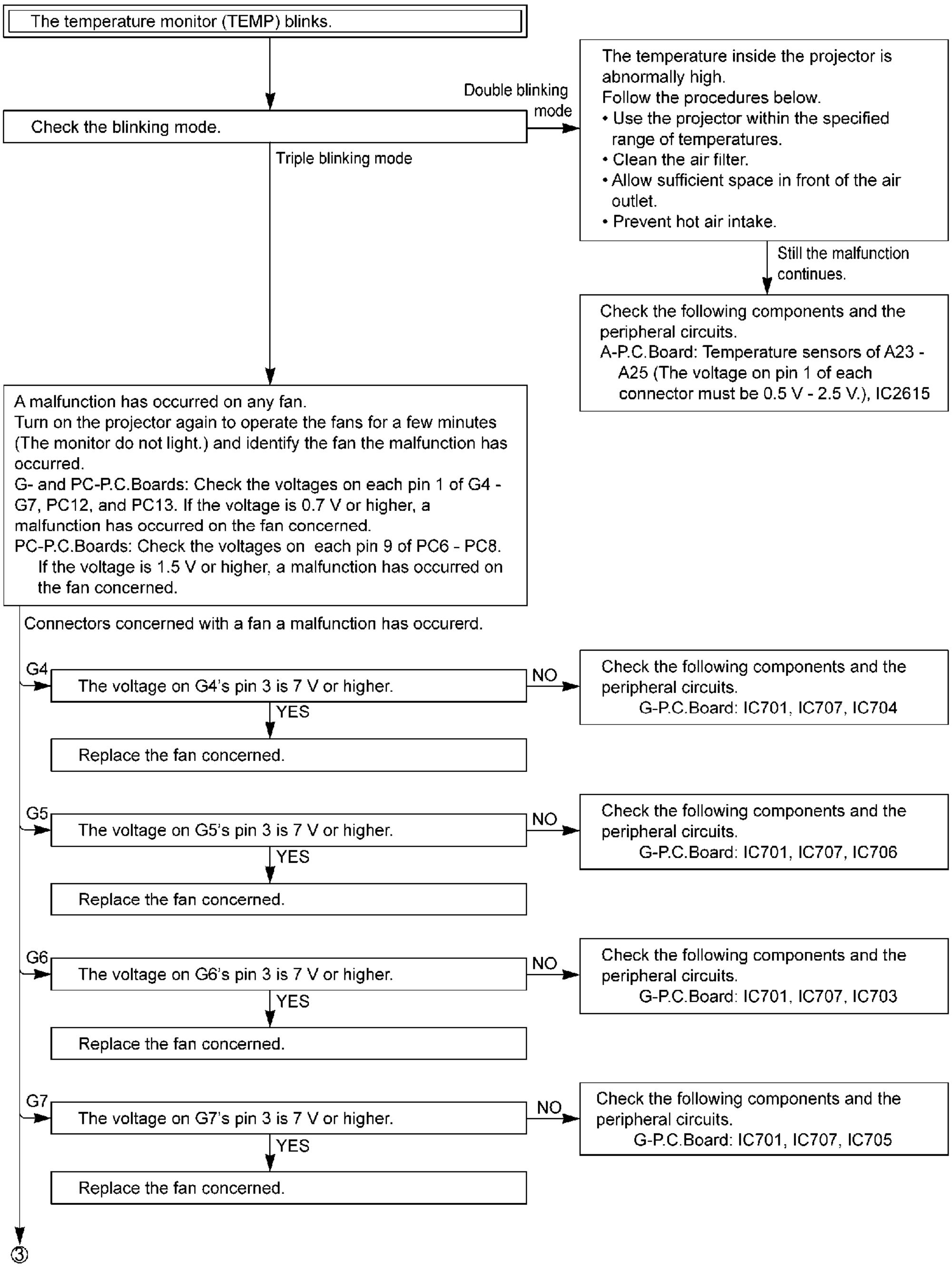
There is no problem.

Check the following components and the peripheral circuits.
PB-P.C.Board: IC0411, D0413, IC0408


②
12 V is not output.
PC
Check DC 12 V between PC12's pins 3 and 2.
NG
Check the following components and the peripheral circuits.
PC-P.C.Board: IC1010
DMD fan, Circuit block fan, lighting case fan
OK
PC
Check DC 12 V between PC6's pins 10 and 3.
NG
Check the following components and the peripheral circuits.
PC-P.C.Board: IC1011
OK
There is no problem.
15 V is not output.
PC
Check DC 15 V between PC4's pins 2 and 3.
NG
Follow the section "The projector does not become standby mode".
OK
PC
Check DC 15 V between PC4's pins 4 and 5.
NG
Check the following components and the peripheral circuits.
PB-P.C.Board: Q0404, Q0406
OK
There is no problem.
-8 V and/or -15 V is not output.
PC
Check DC -15 V between PC9's pins 3 and 4.
NG
Check the following components and the peripheral circuits.
PB-P.C.Board: D0414, IC0418, RL0422, Q0402, Q0403, D0416
OK
PC
Check DC -8 V between PC4's pins 8 and 9.
NG
Check the following components and the peripheral circuits.
PC-P.C.Board: IC1001
OK
There is no problem.


A lamp does not light. (The LAMP monitor blinks.)
Both the LAMP1 and LAMP2 monitors blink.
NO
The RUNTIME indication of a lamp is 1 500 hours or more.
NO
YES
Replace the lamp concerned.
YES
NO
Two or three minutes after turning off the projector, when turning it on again, the lamp monitors blink.
Two or three minutes after turning off the projector, when turning it on again, the lamp monitor concerned blinks.
YES
NO
Follow the section "Shutdown mode".
Replace the lamp concerned.
You may have turned on the projector again before the lamps cool sufficiently.
Example 1: You may have turned off and on the MAIN POWER switch during operation.
When turning off the projector, use the POWER OFF button on the remote control unit or the rear panel and after the projector cools sufficiently, turn off the MAIN POWER switch.
Example 2: The AC power voltage may have decreased.
Check the AC power voltage for the projector.


Shutdown mode *The description inside a parenthesis is when the LAMP2 monitor blinks.
The LAMP1 (LAMP2) monitor blinks.
After following the section "A lamp does not light", the projector operates well.
YES
You can finish this work.
NO
PA
Check DC 380 V between PA3's pins 1 and 3 when the lamp lights up.
NG
Check the following components and the peripheral circuits.
PA-P.C.Board: D0103, D0104, D0112, Q0102, Q0103, R0103,R0146, IC0101, IC0103, IC0104
OK
A
Check DC 3 V on A21's (A22's) pin 1 when the lamp lights.
OK
Check the following components and the peripheral circuits.
A-P.C.Board: Q2608, Q2609, Q2629, IC2629, IC2630 (Q2610, Q2611, Q2629, IC2630, IC2631)
NG
After the lamp lights for a few seconds, it goes off.
NO
Check the following components and the peripheral circuits.
Ballast unit, Lamp
YES
A
After the lamp lights, the voltage on A21's (A22's) pin 3 becomes DC 1 V or lower.
NO
Check the ballast unit.
YES
Check the following components and the peripheral circuits.
A-P.C.Board: IC2615


Double blinking mode
Triple blinking mode
Still the malfunction continues.
Connectors concerned with a fan a malfunction has occurerd.
G4
G5
G6
G7
YES
NO
③

The temperature monitor (TEMP) blinks.

Check the blinking mode.

The temperature inside the projector is abnormally high.
Follow the procedures below.
- Use the projector within the specified range of temperatures.
- Clean the air filter.
- Allow sufficient space in front of the air outlet.
- Prevent hot air intake.

Check the following components and the peripheral circuits.
A-P.C.Board: Temperature sensors of A23 - A25 (The voltage on pin 1 of each connector must be 0.5 V - 2.5 V.), IC2615

A malfunction has occurred on any fan.
Turn on the projector again to operate the fans for a few minutes (The monitor do not light.) and identify the fan the malfunction has occurred.
G- and PC-P.C.Boards: Check the voltages on each pin 1 of G4 - G7, PC12, and PC13. If the voltage is 0.7 V or higher, a malfunction has occurred on the fan concerned.
PC-P.C.Boards: Check the voltages on each pin 9 of PC6 - PC8. If the voltage is 1.5 V or higher, a malfunction has occurred on the fan concerned.

The voltage on G4's pin 3 is 7 V or higher.

Replace the fan concerned.

Check the following components and the peripheral circuits.
G-P.C.Board: IC701, IC707, IC704

The voltage on G5's pin 3 is 7 V or higher.

Replace the fan concerned.

Check the following components and the peripheral circuits.
G-P.C.Board: IC701, IC707, IC706

The voltage on G6's pin 3 is 7 V or higher.

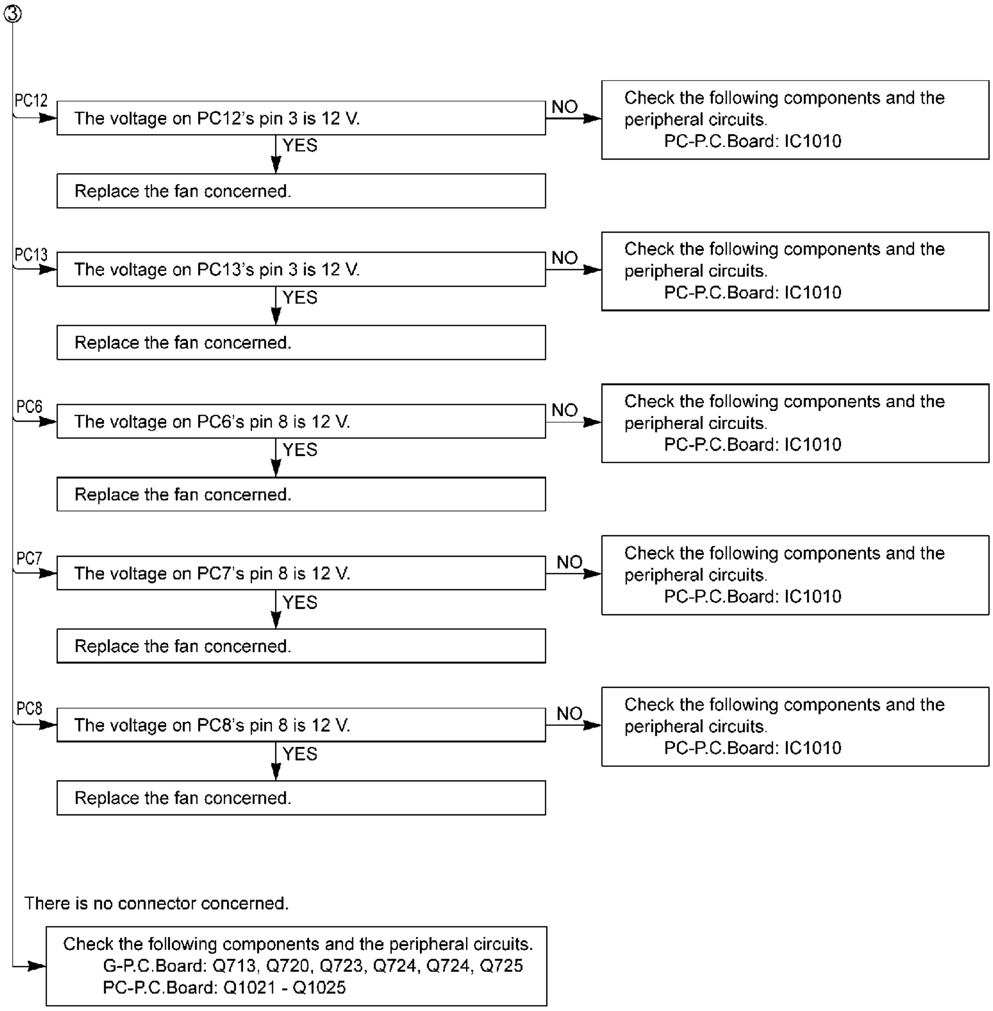
Replace the fan concerned.

Check the following components and the peripheral circuits.
G-P.C.Board: IC701, IC707, IC703

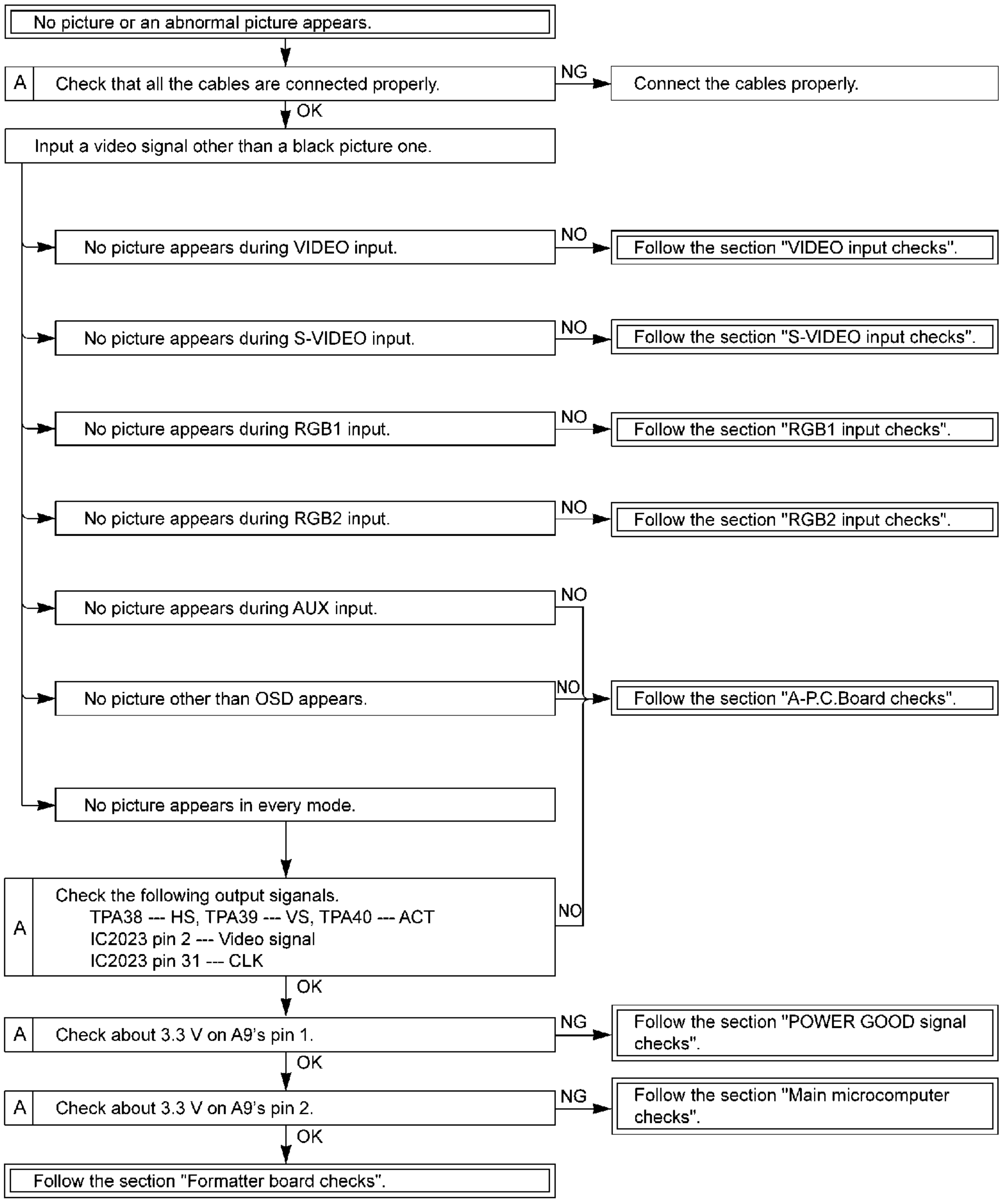
The voltage on G7's pin 3 is 7 V or higher.

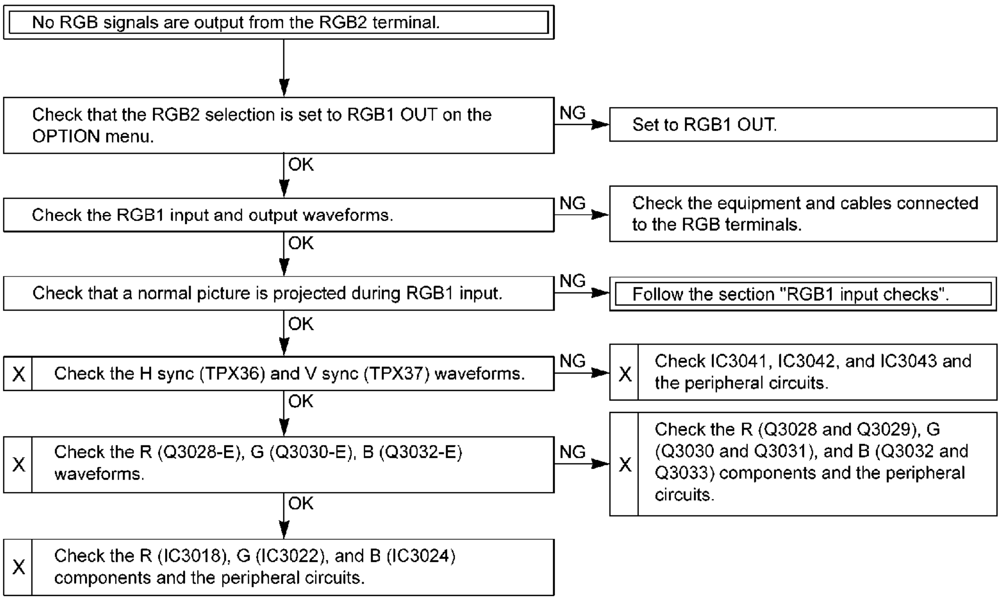
Replace the fan concerned.

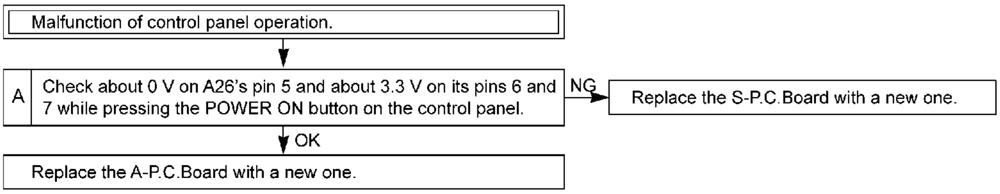
Check the following components and the peripheral circuits.
G-P.C.Board: IC701, IC707, IC705

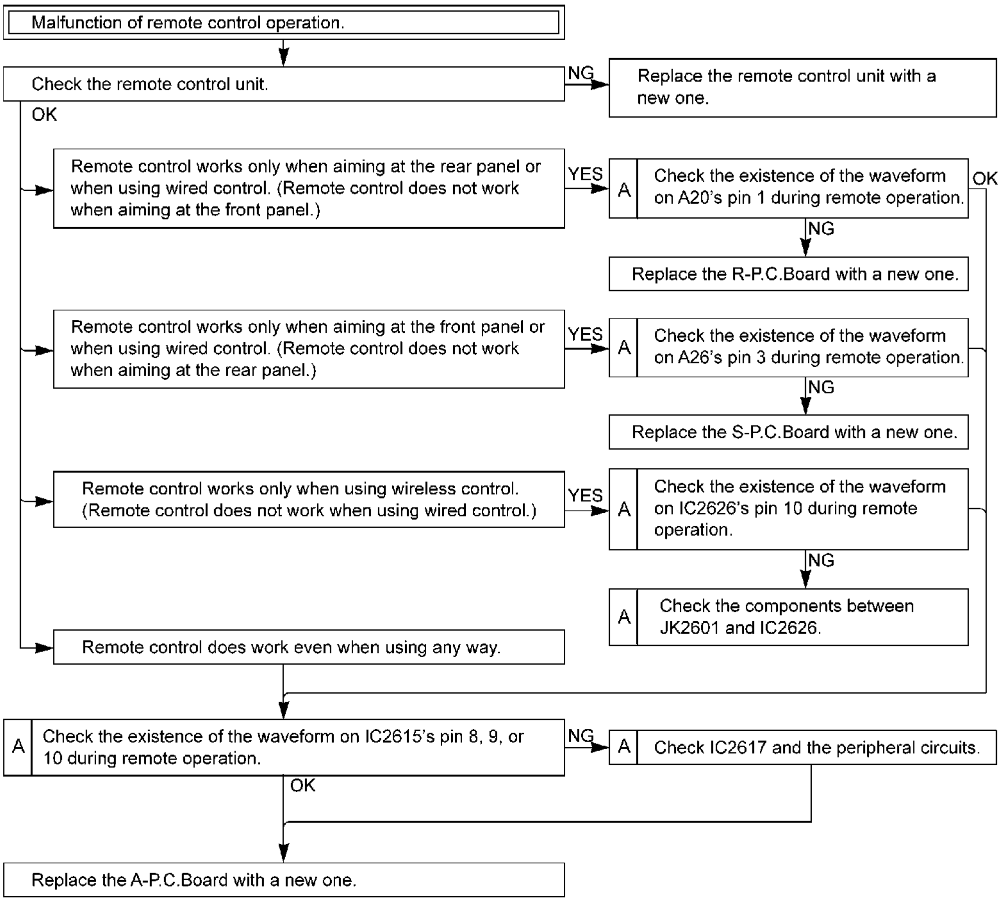

③
PC12
The voltage on PC12's pin 3 is 12 V.
NO
Check the following components and the peripheral circuits.
PC-P.C.Board: IC1010
YES
Replace the fan concerned.
PC13
The voltage on PC13's pin 3 is 12 V.
NO
Check the following components and the peripheral circuits.
PC-P.C.Board: IC1010
YES
Replace the fan concerned.
PC6
The voltage on PC6's pin 8 is 12 V.
NO
Check the following components and the peripheral circuits.
PC-P.C.Board: IC1010
YES
Replace the fan concerned.
PC7
The voltage on PC7's pin 8 is 12 V.
NO
Check the following components and the peripheral circuits.
PC-P.C.Board: IC1010
YES
Replace the fan concerned.
PC8
The voltage on PC8's pin 8 is 12 V.
NO
Check the following components and the peripheral circuits.
PC-P.C.Board: IC1010
YES
Replace the fan concerned.
There is no connector concerned.
Check the following components and the peripheral circuits.
G-P.C.Board: Q713, Q720, Q723, Q724, Q724, Q725
PC-P.C.Board: Q1021 - Q1025

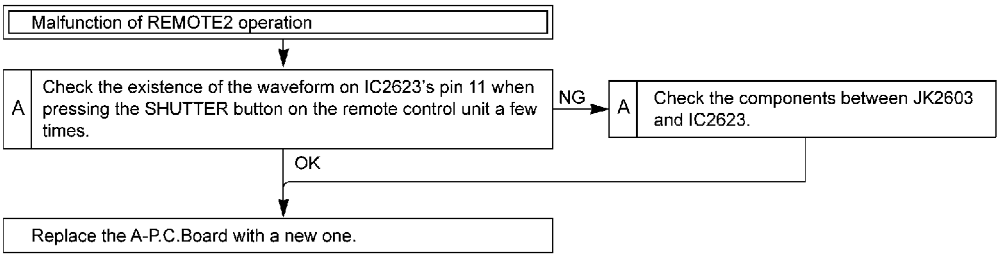
12.2. Signal Processing Circuit Checks

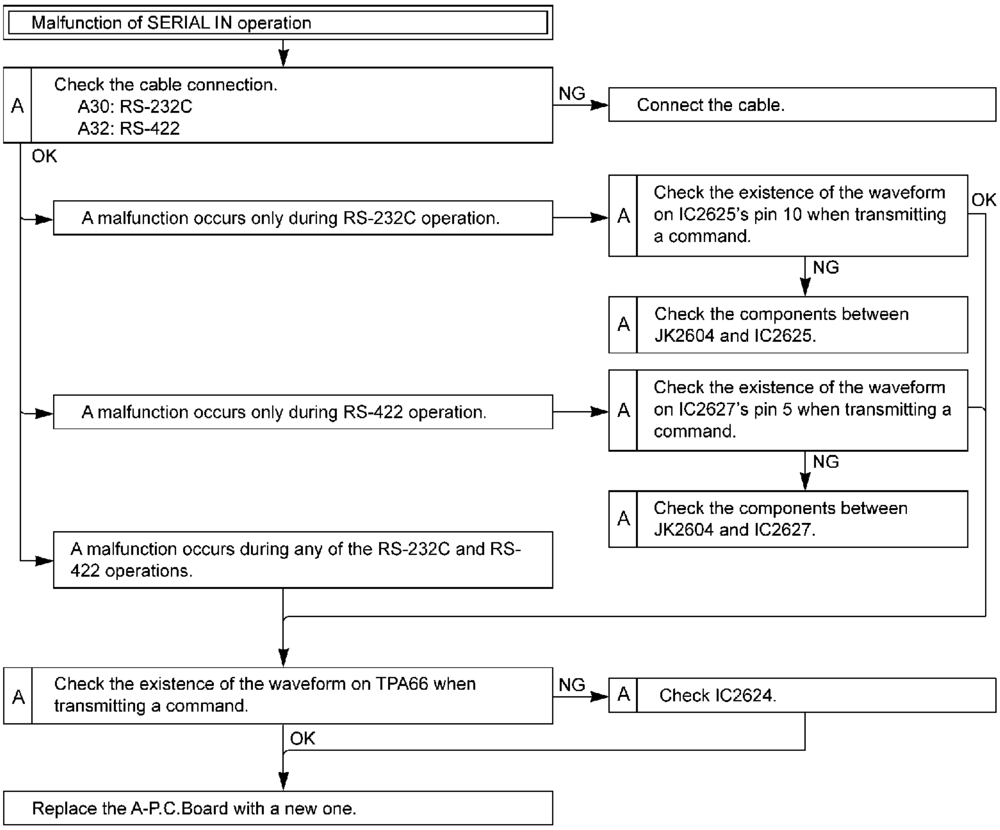

No picture or an abnormal picture appears.
A
Check that all the cables are connected properly.
NG
Connect the cables properly.
OK
Input a video signal other than a black picture one.
No picture appears during VIDEO input.
NO
Follow the section "VIDEO input checks".
No picture appears during S-VIDEO input.
NO
Follow the section "S-VIDEO input checks".
No picture appears during RGB1 input.
NO
Follow the section "RGB1 input checks".
No picture appears during RGB2 input.
NO
Follow the section "RGB2 input checks".
No picture appears during AUX input.
NO
No picture other than OSD appears.
NO
Follow the section "A-P.C.Board checks".
No picture appears in every mode.
A
Check the following output siganals.
TPA38 --- HS, TPA39 --- VS, TPA40 --- ACT
IC2023 pin 2 --- Video signal
IC2023 pin 31 --- CLK
NO
OK
A
Check about 3.3 V on A9's pin 1.
NG
Follow the section "POWER GOOD signal checks".
OK
A
Check about 3.3 V on A9's pin 2.
NG
Follow the section "Main microcomputer checks".
OK
Follow the section "Formatter board checks".

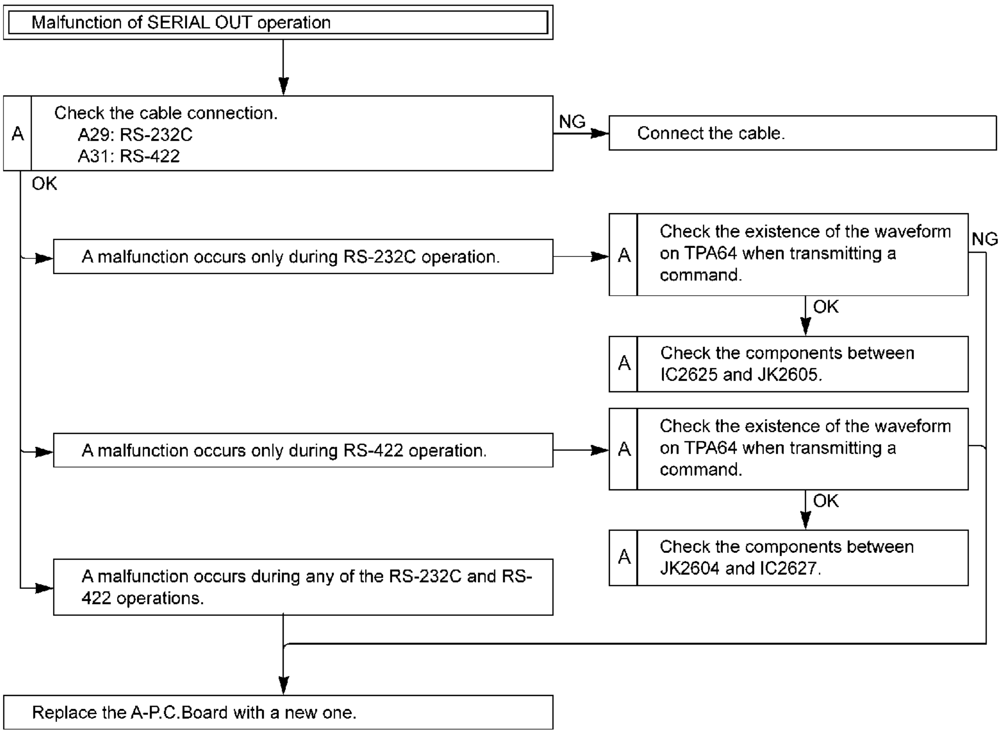

No RGB signals are output from the RGB2 terminal.
Check that the RGB2 selection is set to RGB1 OUT on the OPTION menu.
NG
Set to RGB1 OUT.
OK
Check the RGB1 input and output waveforms.
NG
Check the equipment and cables connected to the RGB terminals.
OK
Check that a normal picture is projected during RGB1 input.
NG
Follow the section "RGB1 input checks".
OK
X
Check the H sync (TPX36) and V sync (TPX37) waveforms.
NG
X
Check IC3041, IC3042, and IC3043 and the peripheral circuits.
OK
X
Check the R (Q3028-E), G (Q3030-E), B (Q3032-E) waveforms.
NG
X
Check the R (Q3028 and Q3029), G (Q3030 and Q3031), and B (Q3032 and Q3033) components and the peripheral circuits.
OK
X
Check the R (IC3018), G (IC3022), and B (IC3024) components and the peripheral circuits.

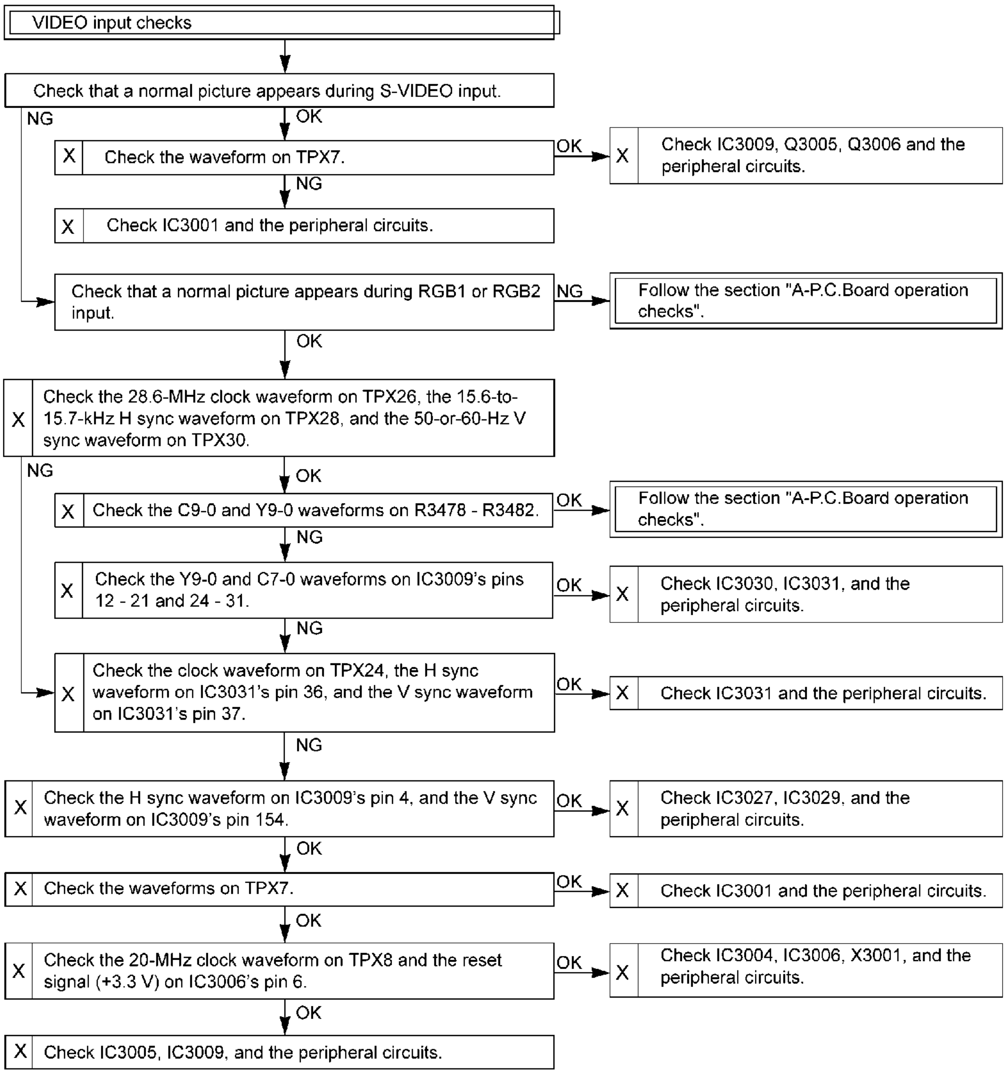

Malfunction of control panel operation.
A
Check about 0 V on A26's pin 5 and about 3.3 V on its pins 6 and 7 while pressing the POWER ON button on the control panel.
NG
Replace the S-P.C.Board with a new one.
OK
Replace the A-P.C.Board with a new one.


Malfunction of remote control operation.
Check the remote control unit.
NG
Replace the remote control unit with a new one.
OK
Remote control works only when aiming at the rear panel or when using wired control. (Remote control does not work when aiming at the front panel.)
YES
A
Check the existence of the waveform on A20's pin 1 during remote operation.
OK
NG
Replace the R-P.C.Board with a new one.
Remote control works only when aiming at the front panel or when using wired control. (Remote control does not work when aiming at the rear panel.)
YES
A
Check the existence of the waveform on A26's pin 3 during remote operation.
NG
Replace the S-P.C.Board with a new one.
Remote control works only when using wireless control. (Remote control does not work when using wired control.)
YES
A
Check the existence of the waveform on IC2626's pin 10 during remote operation.
NG
A
Check the components between JK2601 and IC2626.
Remote control does work even when using any way.
A
Check the existence of the waveform on IC2615's pin 8, 9, or 10 during remote operation.
NG
A
Check IC2617 and the peripheral circuits.
OK
Replace the A-P.C.Board with a new one.


Malfunction of REMOTE2 operation
A
Check the existence of the waveform on IC2623's pin 11 when pressing the SHUTTER button on the remote control unit a few times.
NG
A
Check the components between JK2603 and IC2623.
OK
Replace the A-P.C.Board with a new one.


Malfunction of SERIAL IN operation
A
Check the cable connection.
A30: RS-232C
A32: RS-422
NG
Connect the cable.
OK
A malfunction occurs only during RS-232C operation.
A
Check the existence of the waveform on IC2625's pin 10 when transmitting a command.
OK
NG
A
Check the components between JK2604 and IC2625.
A malfunction occurs only during RS-422 operation.
A
Check the existence of the waveform on IC2627's pin 5 when transmitting a command.
NG
A
Check the components between JK2604 and IC2627.
A malfunction occurs during any of the RS-232C and RS-422 operations.
A
Check the existence of the waveform on TPA66 when transmitting a command.
NG
A
Check IC2624.
OK
Replace the A-P.C.Board with a new one.


Malfunction of SERIAL OUT operation
A
Check the cable connection.
A29: RS-232C
A31: RS-422
NG
Connect the cable.
OK
A malfunction occurs only during RS-232C operation.
A
Check the existence of the waveform on TPA64 when transmitting a command.
NG
OK
A
Check the components between IC2625 and JK2605.
A malfunction occurs only during RS-422 operation.
A
Check the existence of the waveform on TPA64 when transmitting a command.
OK
A
Check the components between JK2604 and IC2627.
A malfunction occurs during any of the RS-232C and RS-422 operations.
Replace the A-P.C.Board with a new one.



VIDEO input checks

Check that a normal picture appears during S-VIDEO input.

Check the waveform on TPX7.

Check IC3009, Q3005, Q3006 and the peripheral circuits.

Check IC3001 and the peripheral circuits.

Check that a normal picture appears during RGB1 or RGB2 input.

Follow the section "A-P.C.Board operation checks".

Check the 28.6-MHz clock waveform on TPX26, the 15.6-to-15.7-kHz H sync waveform on TPX28, and the 50-or-60-Hz V sync waveform on TPX30.

Check the C9-0 and Y9-0 waveforms on R3478 - R3482.

Follow the section "A-P.C.Board operation checks".

Check the Y9-0 and C7-0 waveforms on IC3009's pins 12 - 21 and 24 - 31.

Check IC3030, IC3031, and the peripheral circuits.

Check the clock waveform on TPX24, the H sync waveform on IC3031's pin 36, and the V sync waveform on IC3031's pin 37.

Check IC3031 and the peripheral circuits.

Check the H sync waveform on IC3009's pin 4, and the V sync waveform on IC3009's pin 154.

Check IC3027, IC3029, and the peripheral circuits.

Check the waveforms on TPX7.

Check IC3001 and the peripheral circuits.

Check the 20-MHz clock waveform on TPX8 and the reset signal (+3.3 V) on IC3006's pin 6.

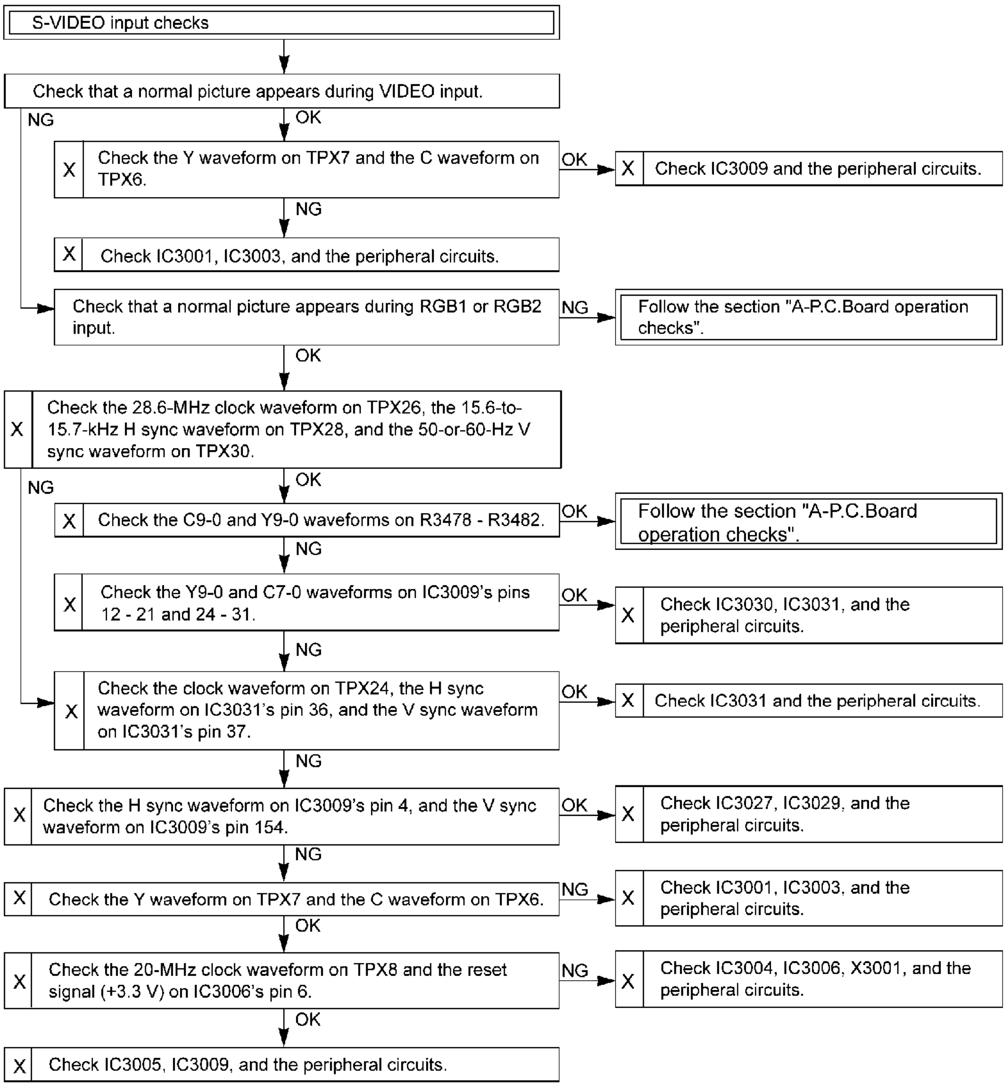
Check IC3004, IC3006, X3001, and the peripheral circuits.

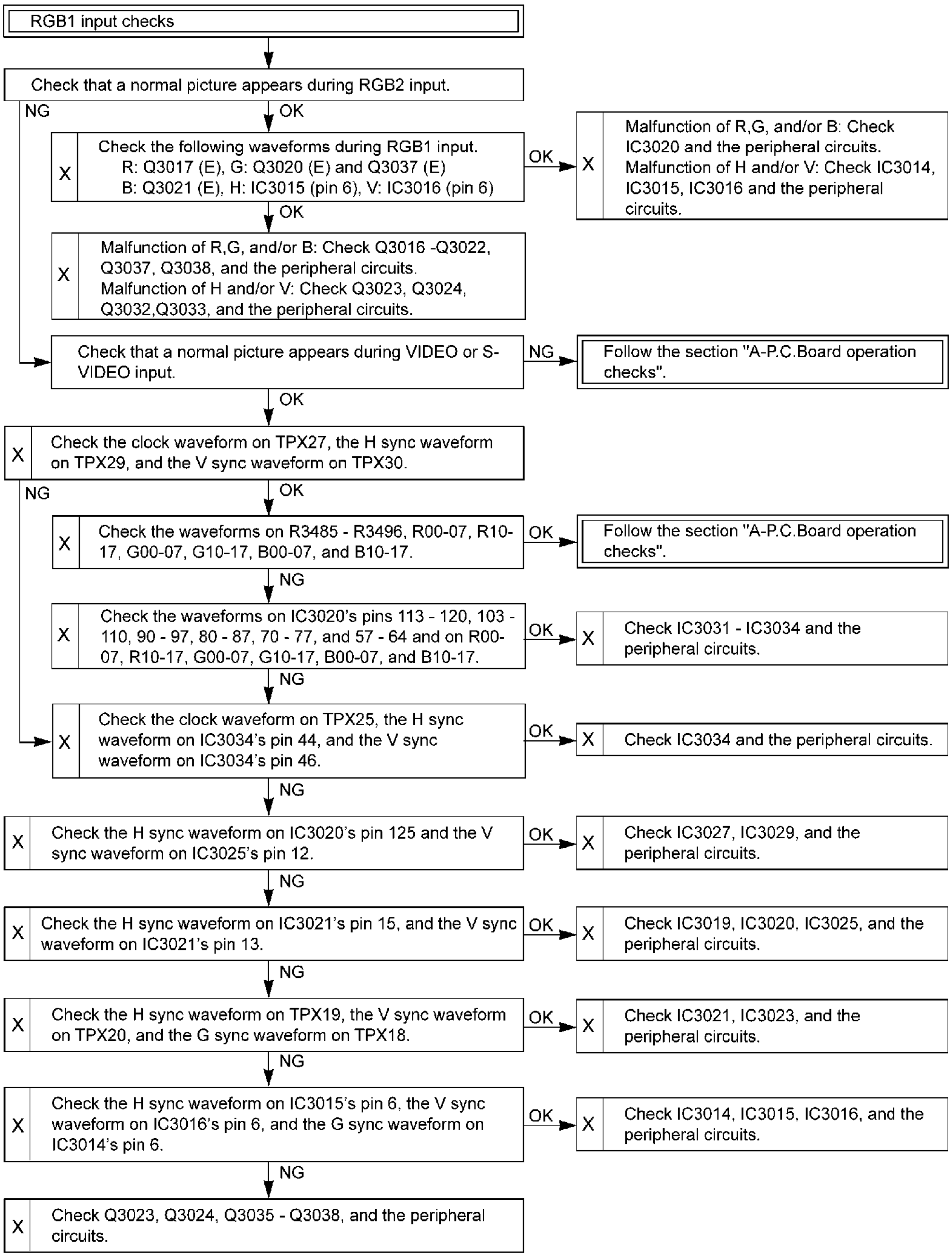
Check IC3005, IC3009, and the peripheral circuits.

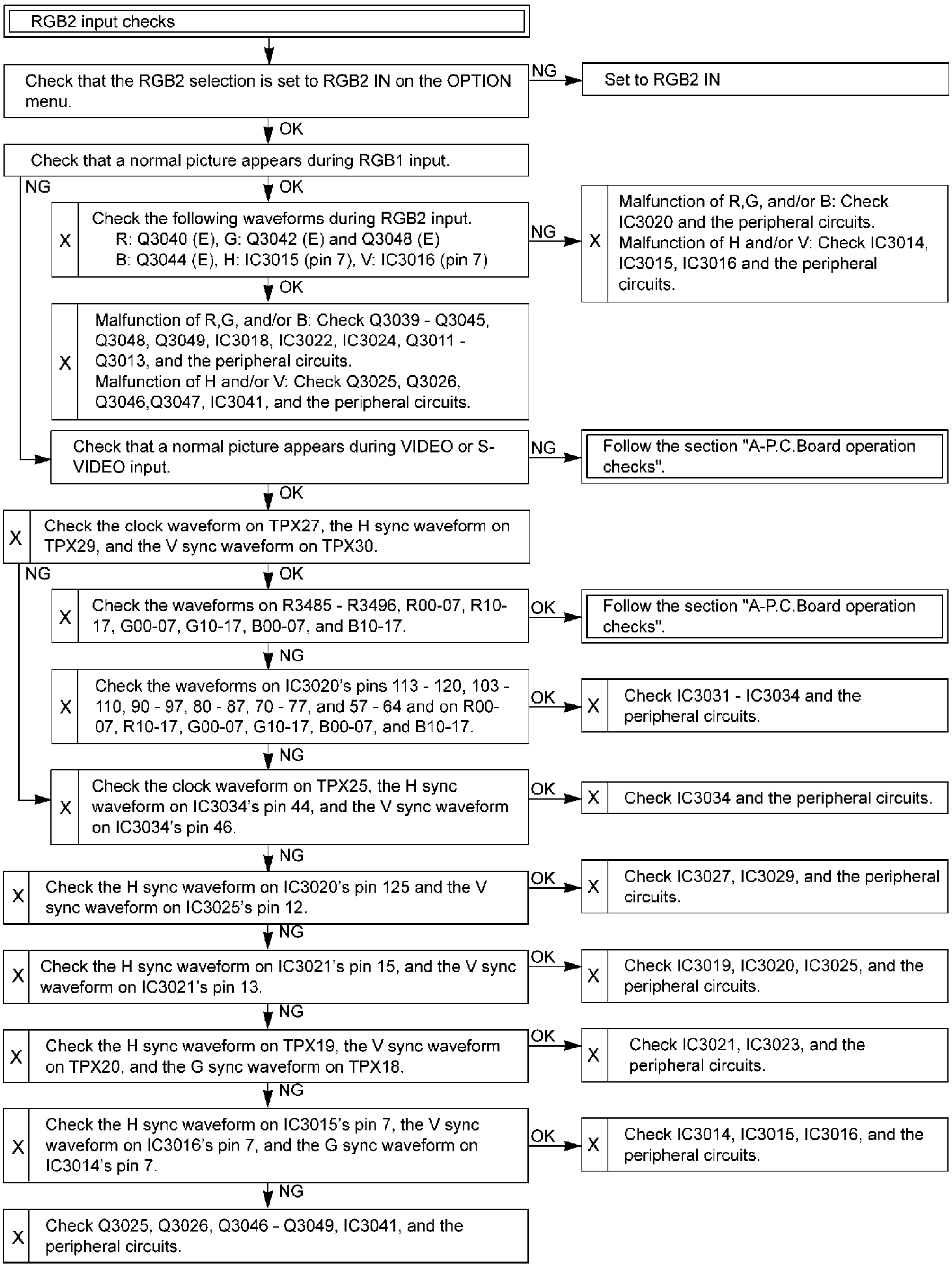
Note for LED (D3041) on the X-P.C.Board

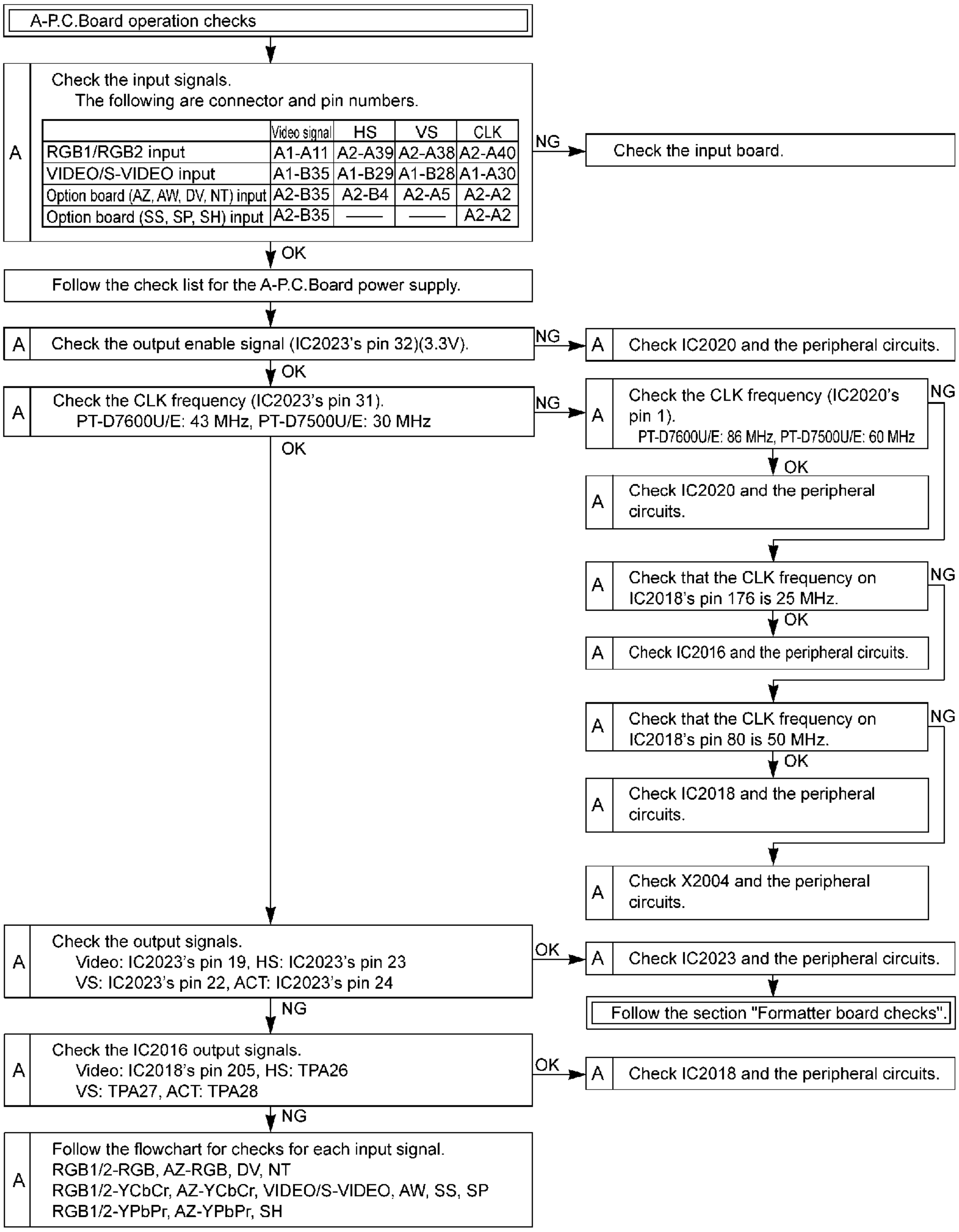
This LED starts to blink when the X-P.C.Board starts working properly.The number of times it blinks depends on the video system of VIDEO or S-VIDEO.

one time: NTSC, two times: PALM, three times: PALN, four times: PAL
five times: SECAM, six times: NTSC4.43, seven times: black and white
eight times: PAL60


S-VIDEO input checks
Check that a normal picture appears during VIDEO input.
NG
OK
X
Check the Y waveform on TPX7 and the C waveform on TPX6.
OK
X
Check IC3009 and the peripheral circuits.
NG
X
Check IC3001, IC3003, and the peripheral circuits.
Check that a normal picture appears during RGB1 or RGB2 input.
NG
Follow the section "A-P.C.Board operation checks".
OK
X
Check the 28.6-MHz clock waveform on TPX26, the 15.6-to-15.7-kHz H sync waveform on TPX28, and the 50-or-60-Hz V sync waveform on TPX30.
NG
OK
X
Check the C9-0 and Y9-0 waveforms on R3478 - R3482.
OK
Follow the section "A-P.C.Board operation checks".
NG
X
Check the Y9-0 and C7-0 waveforms on IC3009's pins 12 - 21 and 24 - 31.
OK
X
Check IC3030, IC3031, and the peripheral circuits.
NG
X
Check the clock waveform on TPX24, the H sync waveform on IC3031's pin 36, and the V sync waveform on IC3031's pin 37.
OK
X
Check IC3031 and the peripheral circuits.
NG
X
Check the H sync waveform on IC3009's pin 4, and the V sync waveform on IC3009's pin 154.
OK
X
Check IC3027, IC3029, and the peripheral circuits.
NG
X
Check the Y waveform on TPX7 and the C waveform on TPX6.
NG
X
Check IC3001, IC3003, and the peripheral circuits.
OK
X
Check the 20-MHz clock waveform on TPX8 and the reset signal (+3.3 V) on IC3006's pin 6.
NG
X
Check IC3004, IC3006, X3001, and the peripheral circuits.
OK
X
Check IC3005, IC3009, and the peripheral circuits.


RGB1 input checks
Check that a normal picture appears during RGB2 input.
NG
OK
X
Check the following waveforms during RGB1 input.
R: Q3017 (E), G: Q3020 (E) and Q3037 (E)
B: Q3021 (E), H: IC3015 (pin 6), V: IC3016 (pin 6)
OK
X
Malfunction of R,G, and/or B: Check IC3020 and the peripheral circuits.
Malfunction of H and/or V: Check IC3014, IC3015, IC3016 and the peripheral circuits.
OK
X
Malfunction of R,G, and/or B: Check Q3016 -Q3022, Q3037, Q3038, and the peripheral circuits.
Malfunction of H and/or V: Check Q3023, Q3024, Q3032,Q3033, and the peripheral circuits.
Check that a normal picture appears during VIDEO or S-VIDEO input.
NG
Follow the section "A-P.C.Board operation checks".
OK
X
Check the clock waveform on TPX27, the H sync waveform on TPX29, and the V sync waveform on TPX30.
NG
OK
X
Check the waveforms on R3485 - R3496, R00-07, R10-17, G00-07, G10-17, B00-07, and B10-17.
OK
Follow the section "A-P.C.Board operation checks".
NG
X
Check the waveforms on IC3020's pins 113 - 120, 103 - 110, 90 - 97, 80 - 87, 70 - 77, and 57 - 64 and on R00-07, R10-17, G00-07, G10-17, B00-07, and B10-17.
OK
X
Check IC3031 - IC3034 and the peripheral circuits.
NG
X
Check the clock waveform on TPX25, the H sync waveform on IC3034's pin 44, and the V sync waveform on IC3034's pin 46.
OK
X
Check IC3034 and the peripheral circuits.
NG
X
Check the H sync waveform on IC3020's pin 125 and the V sync waveform on IC3025's pin 12.
OK
X
Check IC3027, IC3029, and the peripheral circuits.
NG
X
Check the H sync waveform on IC3021's pin 15, and the V sync waveform on IC3021's pin 13.
OK
X
Check IC3019, IC3020, IC3025, and the peripheral circuits.
NG
X
Check the H sync waveform on TPX19, the V sync waveform on TPX20, and the G sync waveform on TPX18.
OK
X
Check IC3021, IC3023, and the peripheral circuits.
NG
X
Check the H sync waveform on IC3015's pin 6, the V sync waveform on IC3016's pin 6, and the G sync waveform on IC3014's pin 6.
OK
X
Check IC3014, IC3015, IC3016, and the peripheral circuits.
NG
X
Check Q3023, Q3024, Q3035 - Q3038, and the peripheral circuits.


RGB2 input checks
Check that the RGB2 selection is set to RGB2 IN on the OPTION menu.
NG
Set to RGB2 IN
OK
Check that a normal picture appears during RGB1 input.
NG
OK
X
Check the following waveforms during RGB2 input. R: Q3040 (E), G: Q3042 (E) and Q3048 (E) B: Q3044 (E), H: IC3015 (pin 7), V: IC3016 (pin 7)
NG
X
Malfunction of R,G, and/or B: Check IC3020 and the peripheral circuits. Malfunction of H and/or V: Check IC3014, IC3015, IC3016 and the peripheral circuits.
OK
X
Malfunction of R,G, and/or B: Check Q3039 - Q3045, Q3048, Q3049, IC3018, IC3022, IC3024, Q3011 - Q3013, and the peripheral circuits. Malfunction of H and/or V: Check Q3025, Q3026, Q3046,Q3047, IC3041, and the peripheral circuits.
Check that a normal picture appears during VIDEO or S-VIDEO input.
NG
Follow the section "A-P.C.Board operation checks".
OK
X
Check the clock waveform on TPX27, the H sync waveform on TPX29, and the V sync waveform on TPX30.
NG
OK
X
Check the waveforms on R3485 - R3496, R00-07, R10-17, G00-07, G10-17, B00-07, and B10-17.
OK
Follow the section "A-P.C.Board operation checks".
NG
X
Check the waveforms on IC3020's pins 113 - 120, 103 - 110, 90 - 97, 80 - 87, 70 - 77, and 57 - 64 and on R00-07, R10-17, G00-07, G10-17, B00-07, and B10-17.
OK
X
Check IC3031 - IC3034 and the peripheral circuits.
NG
X
Check the clock waveform on TPX25, the H sync waveform on IC3034's pin 44, and the V sync waveform on IC3034's pin 46.
OK
X
Check IC3034 and the peripheral circuits.
NG
X
Check the H sync waveform on IC3020's pin 125 and the V sync waveform on IC3025's pin 12.
OK
X
Check IC3027, IC3029, and the peripheral circuits.
NG
X
Check the H sync waveform on IC3021's pin 15, and the V sync waveform on IC3021's pin 13.
OK
X
Check IC3019, IC3020, IC3025, and the peripheral circuits.
NG
X
Check the H sync waveform on TPX19, the V sync waveform on TPX20, and the G sync waveform on TPX18.
OK
X
Check IC3021, IC3023, and the peripheral circuits.
NG
X
Check the H sync waveform on IC3015's pin 7, the V sync waveform on IC3016's pin 7, and the G sync waveform on IC3014's pin 7.
OK
X
Check IC3014, IC3015, IC3016, and the peripheral circuits.
NG
X
Check Q3025, Q3026, Q3046 - Q3049, IC3041, and the peripheral circuits.


A-P.C.Board operation checks
A
Check the input signals.
The following are connector and pin numbers.
NG
Check the input board.
OK
Follow the check list for the A-P.C.Board power supply.
A
Check the output enable signal (IC2023's pin 32)(3.3V).
NG
A
Check IC2020 and the peripheral circuits.
OK
A
Check the CLK frequency (IC2023's pin 31).
PT-D7600U/E: 43 MHz, PT-D7500U/E: 30 MHz
NG
A
Check the CLK frequency (IC2020's pin 1).
PT-D7600U/E: 86 MHz, PT-D7500U/E: 60 MHz
NG
OK
A
Check IC2020 and the peripheral circuits.
A
Check that the CLK frequency on IC2018's pin 176 is 25 MHz.
NG
OK
A
Check IC2016 and the peripheral circuits.
A
Check that the CLK frequency on IC2018's pin 80 is 50 MHz.
NG
OK
A
Check IC2018 and the peripheral circuits.
A
Check X2004 and the peripheral circuits.
OK
A
Check the output signals.
Video: IC2023's pin 19, HS: IC2023's pin 23
VS: IC2023's pin 22, ACT: IC2023's pin 24
OK
A
Check IC2023 and the peripheral circuits.
Follow the section "Formatter board checks".
NG
A
Check the IC2016 output signals.
Video: IC2018's pin 205, HS: TPA26
VS: TPA27, ACT: TPA28
OK
A
Check IC2018 and the peripheral circuits.
NG
A
Follow the flowchart for checks for each input signal.
RGB1/2-RGB, AZ-RGB, DV, NT
RGB1/2-YCbCr, AZ-YCbCr, VIDEO/S-VIDEO, AW, SS, SP
RGB1/2-YPbPr, AZ-YPbPr, SH

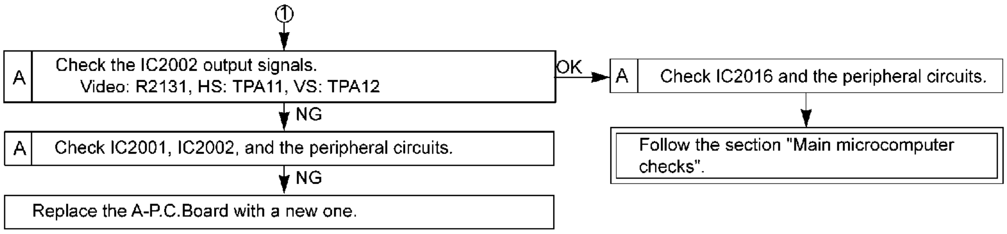
	Video signal	HS	VS	CLK
RGB1/RGB2 input	A1-A11	A2-A39	A2-A38	A2-A40
VIDEO/S-VIDEO input	A1-B35	A1-B29	A1-B28	A1-A30
Option board (AZ, AW, DV, NT) input	A2-B35	A2-B4	A2-A5	A2-A2
Option board (SS, SP, SH) input	A2-B35	——	——	A2-A2

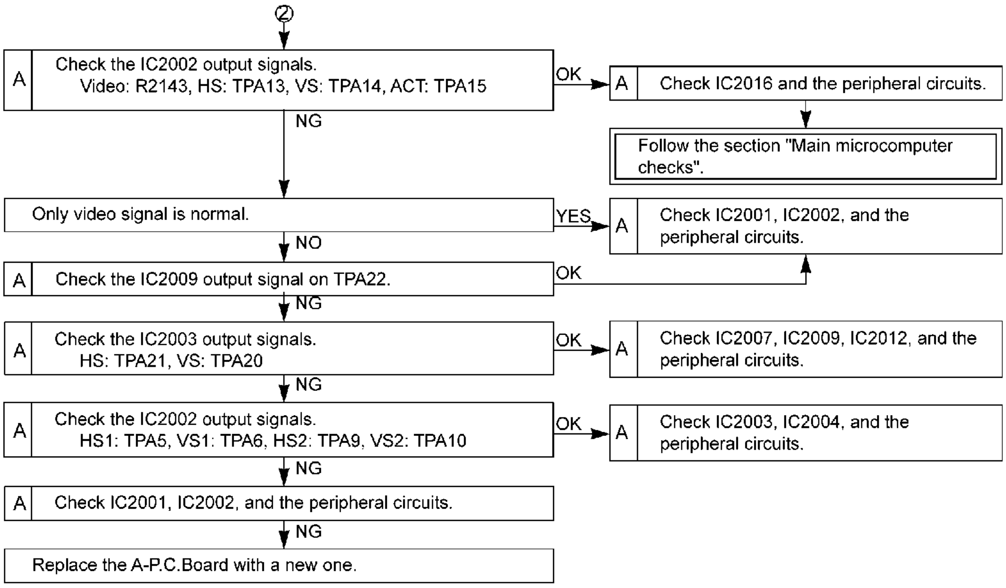
Note for LEDs on the A-P.C.Board

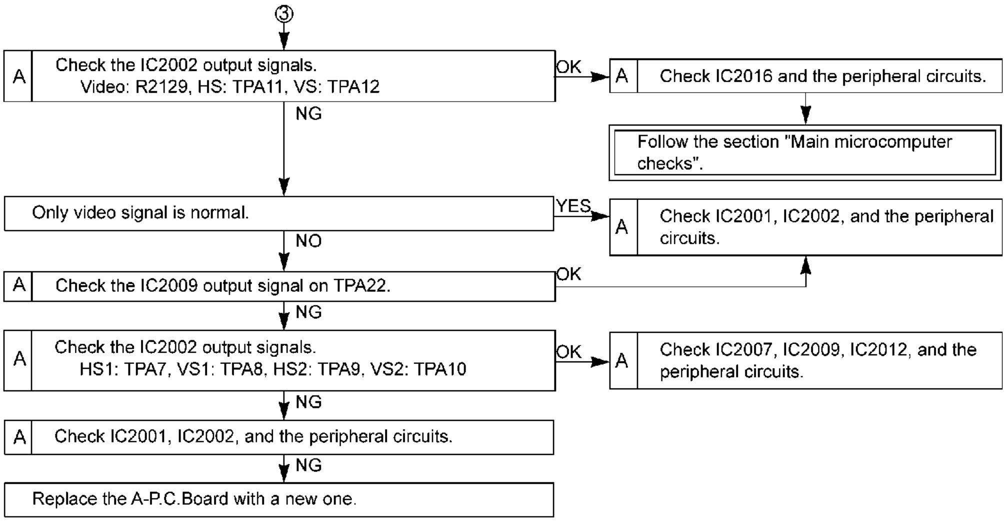
- D2001 indicates the conditions of STB+5 V.
Lights: Normal operation
Not light: Abnormal operation
- D2002 indicates the conditions of +3.3 V.
Lights: Normal operation
Not light: Abnormal operation
- D2003 indicates the conditions of +2.5 V.
Lights: Normal operation

Not light: Abnormal operation

- **No LED lights.**
  The power supply block can have been damaged, so replace or repair it.
- **Any of the LEDs does not light.**
  The protection semiconductor devices can contain a broken wire, so replace or repair the A-P.C.Board.
- **D2621 indicates the SERIAL IN format.**
  Green: RS-232C
  Red: RS-422
- **D2622 indicates the SERIAL OUT format.**
  Green: RS-232C
  Red: RS-422

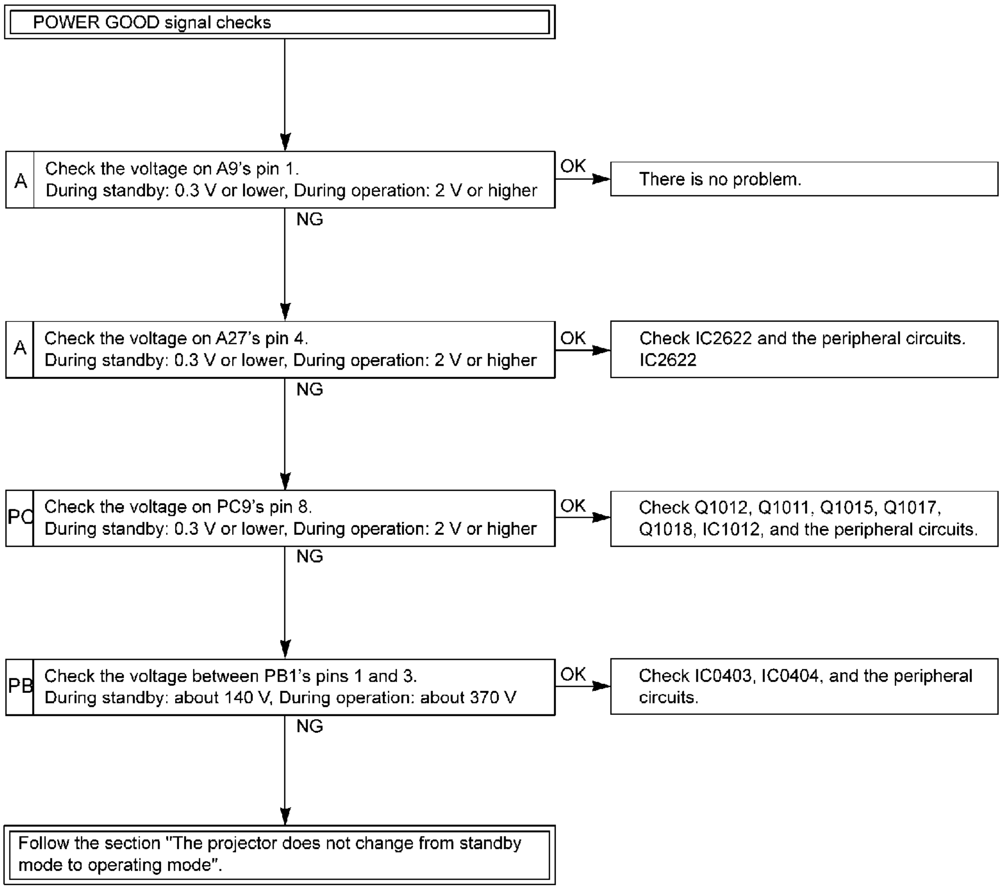

①
A
Check the IC2002 output signals.
Video: R2131, HS: TPA11, VS: TPA12
OK
A
Check IC2016 and the peripheral circuits.
Follow the section "Main microcomputer checks".
NG
A
Check IC2001, IC2002, and the peripheral circuits.
NG
Replace the A-P.C.Board with a new one.


②
A
Check the IC2002 output signals.
Video: R2143, HS: TPA13, VS: TPA14, ACT: TPA15
OK
A
Check IC2016 and the peripheral circuits.
Follow the section "Main microcomputer checks".
NG
Only video signal is normal.
YES
A
Check IC2001, IC2002, and the peripheral circuits.
NO
A
Check the IC2009 output signal on TPA22.
OK
NG
A
Check the IC2003 output signals.
HS: TPA21, VS: TPA20
OK
A
Check IC2007, IC2009, IC2012, and the peripheral circuits.
NG
A
Check the IC2002 output signals.
HS1: TPA5, VS1: TPA6, HS2: TPA9, VS2: TPA10
OK
A
Check IC2003, IC2004, and the peripheral circuits.
NG
A
Check IC2001, IC2002, and the peripheral circuits.
NG
Replace the A-P.C.Board with a new one.


③
A
Check the IC2002 output signals.
Video: R2129, HS: TPA11, VS: TPA12
OK
A
Check IC2016 and the peripheral circuits.
Follow the section "Main microcomputer checks".
NG
Only video signal is normal.
YES
A
Check IC2001, IC2002, and the peripheral circuits.
NO
A
Check the IC2009 output signal on TPA22.
OK
NG
A
Check the IC2002 output signals.
HS1: TPA7, VS1: TPA8, HS2: TPA9, VS2: TPA10
OK
A
Check IC2007, IC2009, IC2012, and the peripheral circuits.
NG
A
Check IC2001, IC2002, and the peripheral circuits.
NG
Replace the A-P.C.Board with a new one.

Check list for the A-P.C.Board power supply

No.	Checking point	Voltage	Checking items
1	A12's pin 10	+5V	Power supply circuit
2	A12's pin 6	+3.3V	Power supply circuit
3	A12's pin 2	+2.5V	Power supply circuit
4	IC2003's pin 3	+2.5V	IC2005 and the peripheral circuits
5	IC2006's pin 3	+1.5V	IC2006 and the pericheral circuits
6	IC2008's pin 3	+1.95V	IC2008 and the peripheral circuits
7	IC2014's pin 3	+1.8V	IC2014 and the peripheral circuits



POWER GOOD signal checks

A Check the voltage on A9's pin 1.
During standby: 0.3 V or lower, During operation: 2 V or higher

There is no problem.

A Check the voltage on A27's pin 4.
During standby: 0.3 V or lower, During operation: 2 V or higher

Check IC2622 and the peripheral circuits.
IC2622

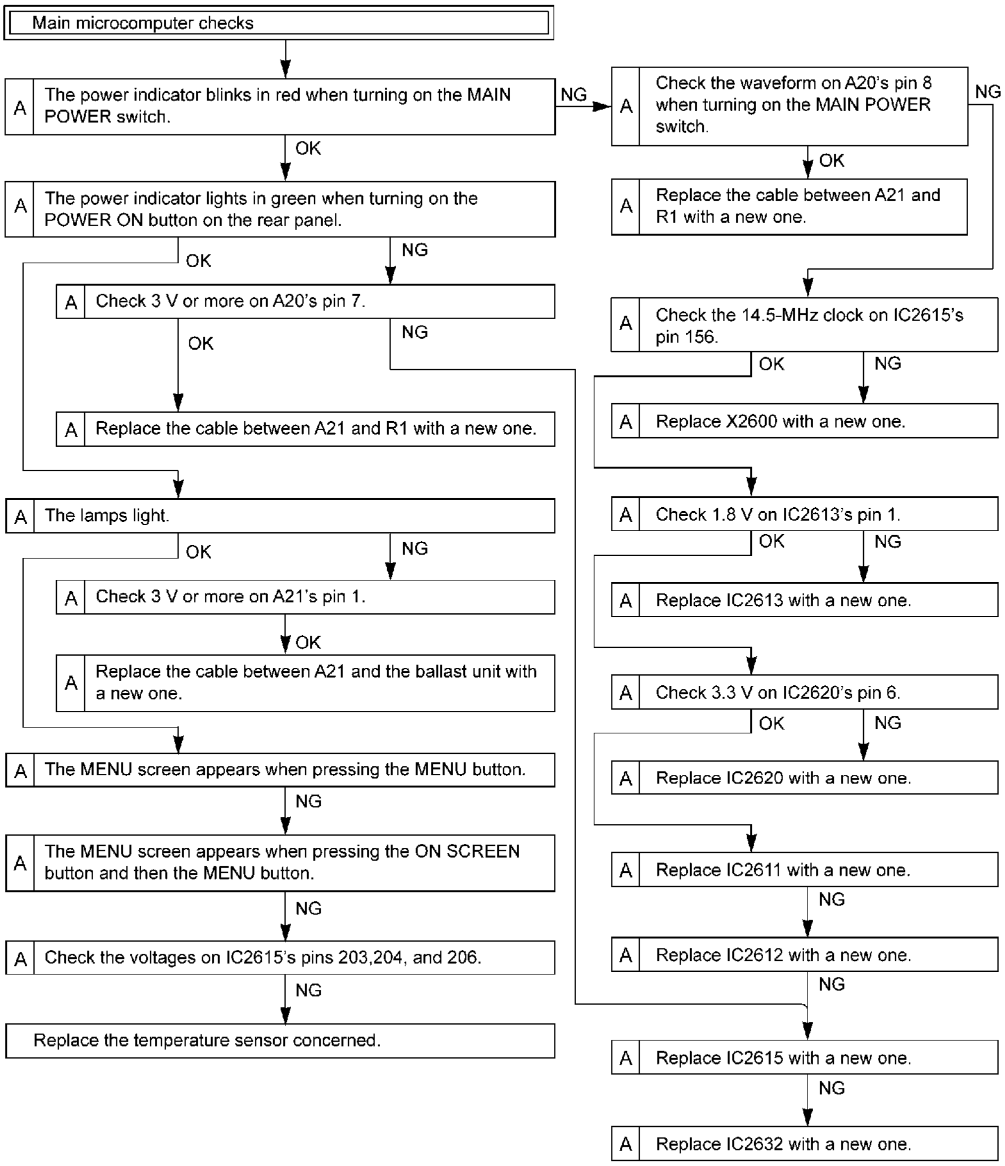
PC Check the voltage on PC9's pin 8.
During standby: 0.3 V or lower, During operation: 2 V or higher

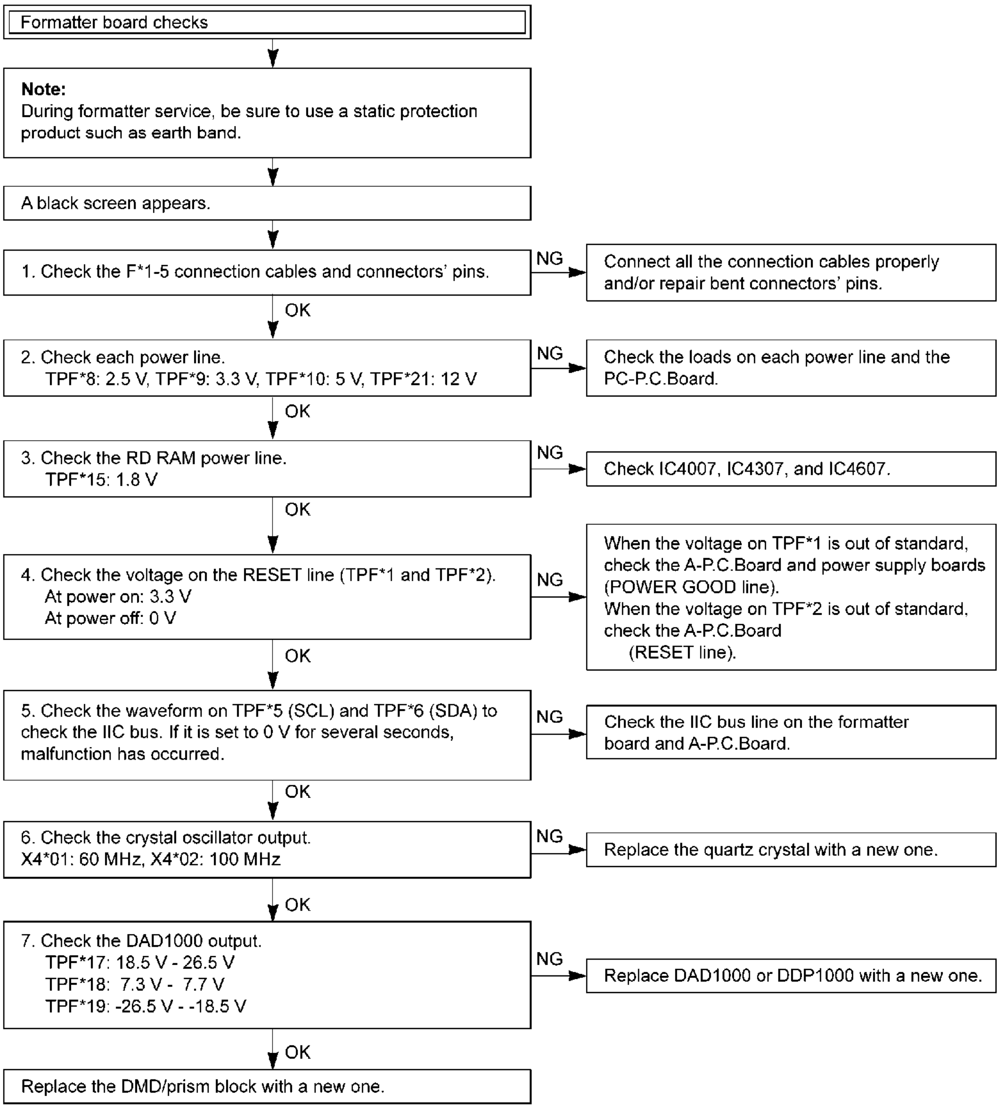
Check Q1012, Q1011, Q1015, Q1017, Q1018, IC1012, and the peripheral circuits.

PB Check the voltage between PB1's pins 1 and 3.
During standby: about 140 V, During operation: about 370 V

Check IC0403, IC0404, and the peripheral circuits.

Follow the section "The projector does not change from standby mode to operating mode".


Main microcomputer checks
A The power indicator blinks in red when turning on the MAIN POWER switch.
OK
NG
A Check the waveform on A20's pin 8 when turning on the MAIN POWER switch.
NG
OK
A Replace the cable between A21 and R1 with a new one.
A The power indicator lights in green when turning on the POWER ON button on the rear panel.
OK
NG
A Check 3 V or more on A20's pin 7.
OK
NG
A Replace the cable between A21 and R1 with a new one.
A Check the 14.5-MHz clock on IC2615's pin 156.
OK
NG
A Replace X2600 with a new one.
A The lamps light.
OK
NG
A Check 3 V or more on A21's pin 1.
OK
A Replace the cable between A21 and the ballast unit with a new one.
A Check 1.8 V on IC2613's pin 1.
OK
NG
A Replace IC2613 with a new one.
A Check 3.3 V on IC2620's pin 6.
OK
NG
A Replace IC2620 with a new one.
A The MENU screen appears when pressing the MENU button.
NG
A The MENU screen appears when pressing the ON SCREEN button and then the MENU button.
NG
A Check the voltages on IC2615's pins 203,204, and 206.
NG
Replace the temperature sensor concerned.
A Replace IC2611 with a new one.
NG
A Replace IC2612 with a new one.
NG
A Replace IC2615 with a new one.
NG
A Replace IC2632 with a new one.


Formatter board checks
Note:
During formatter service, be sure to use a static protection product such as earth band.
A black screen appears.
1. Check the F*1-5 connection cables and connectors' pins.
NG
Connect all the connection cables properly and/or repair bent connectors' pins.
OK
2. Check each power line.
TPF*8: 2.5 V, TPF*9: 3.3 V, TPF*10: 5 V, TPF*21: 12 V
NG
Check the loads on each power line and the PC-P.C.Board.
OK
3. Check the RD RAM power line.
TPF*15: 1.8 V
NG
Check IC4007, IC4307, and IC4607.
OK
4. Check the voltage on the RESET line (TPF*1 and TPF*2).
At power on: 3.3 V
At power off: 0 V
NG
When the voltage on TPF*1 is out of standard, check the A-P.C.Board and power supply boards (POWER GOOD line).
When the voltage on TPF*2 is out of standard, check the A-P.C.Board (RESET line).
OK
5. Check the waveform on TPF*5 (SCL) and TPF*6 (SDA) to check the IIC bus. If it is set to 0 V for several seconds, malfunction has occurred.
NG
Check the IIC bus line on the formatter board and A-P.C.Board.
OK
6. Check the crystal oscillator output.
X4*01: 60 MHz, X4*02: 100 MHz
NG
Replace the quartz crystal with a new one.
OK
7. Check the DAD1000 output.
TPF*17: 18.5 V - 26.5 V
TPF*18: 7.3 V - 7.7 V
TPF*19: -26.5 V - -18.5 V
NG
Replace DAD1000 or DDP1000 with a new one.
OK
Replace the DMD/prism block with a new one.

13. Interconnection Block Diagram

13.1. Interconnection Block Diagram (1/3)

13.2. Interconnection Block Diagram (2/3)

13.3. Interconnection Block Diagram (3/3)

14. Block Diagram

14.1. Power Supply

14.2. Signal Processing (1/2)

14.3. Signal Processing (2/2)

15. Schematic Diagram

15.1. A-P.C.Board (1/7)

15.2. A-P.C.Board (2/7)

15.3. A-P.C.Board (3/7)

15.4. A-P.C.Board (4/7)

15.5. A-P.C.Board (5/7)

15.6. A-P.C.Board (6/7)

15.7. A-P.C.Board (7/7)

15.8. G-P.C.Board (1/2)

15.9. G-P.C.Board (2/2)

15.10. J-P.C.Board (1/2)

15.11. J-P.C.Board (2/2)

15.12. K-P.C.Board

15.13. PA-P.C.Board

15.14. PB-P.C.Board

15.15. PC-P.C.Board

15.16. R-P.C.Board/S-P.C.Board

15.17. X-P.C.Board (1/3)

15.18. X-P.C.Board (2/3)

15.19. X-P.C.Board (3/3)

16. Circuit Boards

16.1. A-P.C.Board (Foil Side)

16.2. A-P.C.Board (Component Side)

16.3. X-P.C.Board,S-P.C.Board (Foil Side)

16.4. X-P.C.Board,S-P.C.Board (Component Side)

16.5. G-P.C.Board

16.6. PA-P.C.Board/R-P.C.Board (Foil Side)

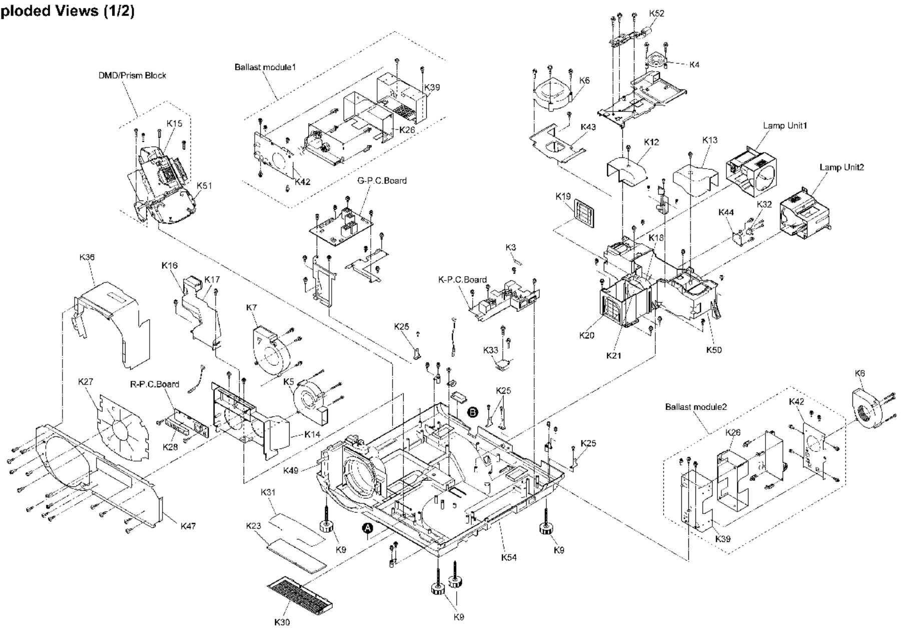
16.7. PB-P.C.Board/R-P.C.Board (Component Side)

16.8. PC-P.C.Board

17. Terminal guide of ICs and transistors

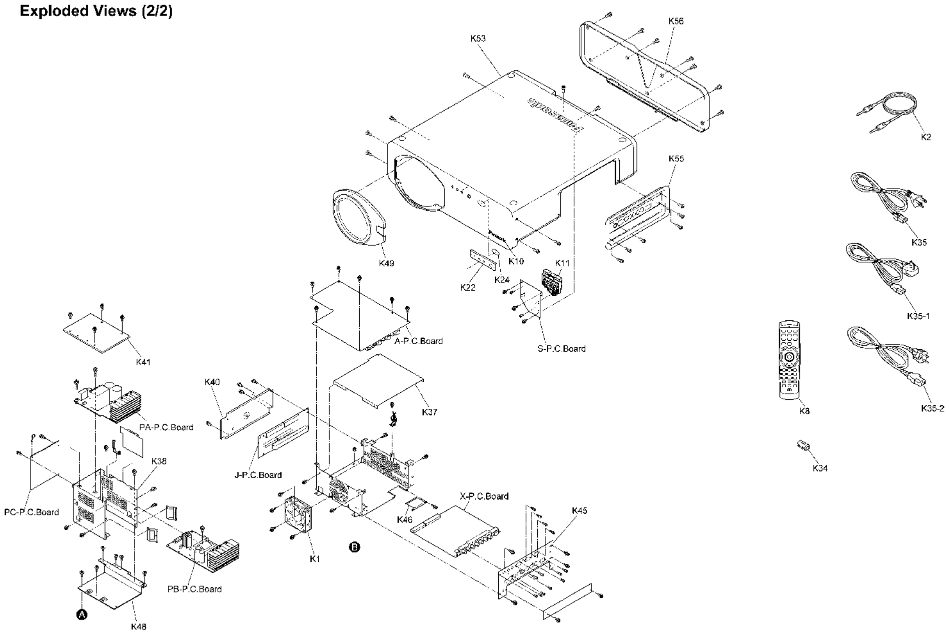
18. Exploded Views

Exploded Views (1/2)



K52
K4
DMD/Prism Block
Ballast module1
K39
K6
K15
K26
K43
Lamp Unit1
K12
K13
Lamp Unit2
K51
K42
G-P.C.Board
K19
K44
K32
K18
K36
K3
K16
K17
K-P.C.Board
K7
K25
K20
K21
K50
K33
K6
K27
R-P.C.Board
K5
K25
Ballast module2
K42
B
K14
K26
K28
K25
K49
K31
K23
K9
A
K47
K54
K9
K39
K9
K30

Exploded Views (2/2)



K56
K53
K2
K55
K35
K49
K10
K11
K22
K24
K35-1
A-P.C.Board
S-P.C.Board
K41
K8
K35-2
K40
K37
PA-P.C.Board
K34
K38
J-P.C.Board
X-P.C.Board
PC-P.C.Board
K46
K45
K1
B
PB-P.C.Board
A
K48

19. Replacement Parts List

Important Safety Notice

Components identified by the International symbol ⚠ have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified parts.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F : ± 1 %
F : Fuse	G : ± 2 %
M : Metal Oxide	J : ± 5 %
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic	C : ±0.25 pF
E : Electrolytic	D : ±0.5 pF
P : Polyester	F : ± 1 pF
PP : Polypropylene	J : ± 5 %
S : Polystyrol	K : ±10 %
T : Tantalum	L : ±15 %
	M : ±20 %
	P : +100 %, -0 %
	Z : +80 %, -20 %

Notes:

For G** of Ref. No., not indicate illustration of it part on "Exploded Views".
Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
		[MECHANICAL PARTS]		
G1	D4CDH4930002	THERMISTOR	2	
K1	FBA08T12HS	FAN (SIGNAL BLOCK)	1	⚠
K2	K1EA03NA0001	REMOTE CONTROLL CABLE	1	
K3	K5D153AQ0001	FUSE	1	PT-D7500U/D7600U ⚠
	K5Y632B00001	FUSE	1	PT-D7500E/D7600E ⚠
K4	L6FCJCAH0001	ANALYSIS BLOCK FAN	1	⚠
K5	L6FCNEEH0001	FAN (POWER BLOCK)	1	⚠
K6	L6FCNGFH0002	FAN (BALLAST)	2	⚠
K7	L6FCPHEH0001	FAN (PRISM)	1	⚠
K8	N2QAGB000024	REMOTE CONTROLLER	1	
G2	SPN-2ACB	PUSH NUT	2	
K9	TBLB3081	ADJUSTER	4	
K10	TBMA134	PANASONIC BADGE	1	
G3	TBME808-1	MODEL NAME PLATE	1	PT-D7500U
	TBME811-1	MODEL NAME PLATE	1	PT-D7600U
	TBME809-1	MODEL NAME PLATE	1	PT-D7500E
	TBME812-1	MODEL NAME PLATE	1	PT-D7600E
G4	TBXA37201	LENS EXCHANGE SWITCH	1	
K11	TBXA37401	CONTROL BUTTON	1	
G5	TEEC5094	DUCT COVER	1	
K12	TEEC5097	LAMP DUCT (R)	1	
K13	TEEC5098	LAMP DUCT (L)	1	
K14	TEEC5099-1	FAN BOX	1	
K15	TEEC5100	DUCT (A)	1	
K16	TEEC5101	DUCT (B)	1	
K17	TEEC5102	DUCT (C)	1	
G6	TESA118	MIRROR SPRING	2	
G7	TESA185	LENS SPRING	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
G8	TESA203	PRISM SPRING	1	
G9	TESA204	HOLD PLATE	1	
G10	TESA205	FIRST LENS ARRAY SPRING	2	PT-D7500U/E
G11	TEWA196	SPACER	1	
G12	TEWA217	SPACER	2	
G13	TEWA222	SPACER	2	
G14	TEWA223	SPACER	1	
G15	THEC035N	SCREW	8	
K18	TKGF5157	CAPACITOR LENS	1	
K19	TKGF5160	FIRST LENS ARRAY	1	PT-D7500U/E
	TKGF5158	FIRST LENS ARRAY	1	PT-D7600U/E
K20	TKGF5161	SECOND LENS ARRAY	1	PT-D7500U/E
	TKGF5159	SECOND LENS ASSAY	1	PT-D7600U/E
K21	TKGP5139-1	UV FILTER	1	
K22	TKKC5156	LED GUIDE PLATE	1	
G16	TKNC046	DUCT MESH	1	
K23	TKNE050	FILTER	1	
G17	TKPA33902	BLINDFOLD BOARD	1	
K24	TKPA69501	REMOTE CONTROL RECEIVER(F	1	
G18	TKPA69601	REMOTE CONTROL RECEIVER(R	1	
G18-1	TKZM5090	FIRST LENS ARRAY METAL	1	PT-D7600U/E
K25	TKZX5162	COVER INSTALL METAL	5	
G19	TKZX5163	AJUST LEG PLATE	4	
G20	TMKG339	FIRE SHEET	1	
G21	TMKG353	FIRE SHEET	1	
G22	TMKG354	FIRE SHEET	1	
G23	TMKG355	FIRE SHEET	1	
G24	TMKG356	FIRE SHEET	1	
G25	TMKG362	FIRE SHEET	1	
G26	TMKK140	RUBBER	1	
G27	TMKX012	WASHER	2	
G28	TMKG382	HEAT INSULATION SHEET	1	
G29	TMKG384	HEAT INSULATION SHEET	1	
G30	TMKX415	BARRIER(POWER BLOCK)	1	
K26	TMKX416	BALLAST BARRIER	2	
G31	TMKX473	HEAT SINK COVER	1	
K27	TMKX485	DUSTPROOF SHEET	1	
G32	TMKX486	WIND GUIDE PLATE 1	1	
G33	TMKX487	WIND GUIDE PLATE 2	1	
G34	TMKX488	WIND GUIDE PLATE 3	1	
G35	TMKX492	HEAT INSULATION COVER	1	
G36	TMKX495	CABLE COVER	1	
G37	TMKX500	AKUMINUM SHEET	2	
G38	TMM16473-1	CLAMPER	2	
G39	TMM16497-1	CLAMPER	1	
G40	TMM6463-1	CLAMPER	7	
G41	TMM6496-1	CLAMPER	2	
G42	TMM7443-3	CLAMPER	3	
K28	TMMD009	LED HOLDER	1	
G43	TMME094	CLAMPER	1	
G44	TMME119	SPACER	8	
G45	TMME155	SPACER	2	
G46	TMME211	SPACER	5	
G47	TMME212	SPACER(POWER BLOCK)	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
K29	TMME213	CLAMPER	1	
G48	TMMX091	SPACER(POWER BLOCK)	2	
G49	TMMX092	SPACER(POWER BLOCK)	2	
G50	TMX13439	GUIDE	4	
K30	TMZX5028	FILTER FRAME	1	
K31	TMZX5029	FILTER HOLD	1	
G51	TPCB28301	CARTON	1	
G52	TPDA0658	CUSHION (UPPER)	1	
G53	TPDA0659	CUSHION (BOTTOM)	1	
G54	TPDF0818	ACCESSORY PACKING CASE	1	
G55	TPDF0958	PAD(TOP)	1	
G56	TPEH187	SET COVER	1	
G57	TQB817002-1	SAFETY SHEET	1	PT-D7500U/D7600U
G58	TQBH7014	LENS INSTALL SHEET	1	
G59	TQBJ0113	INSTRUCTION BOOK	1	PT-D7500U/D7600U ⚠
	TQBJ0114	INSTRUCTION BOOK	1	PT-D7500E/D7600E ⚠
G60	TQD1712010	SHEET	1	
G61	TQDJ18018	GUARANTEE CARD	1	PT-D7500U/D7600U
G62	TQDJ39001	SERVICE CENTER LIST	1	PT-D7500U/D7600U
K32	TSEX0004	BIMETAL	1	⚠
K33	TSEX8005	SWITCH	1	K0ADBF000007 ⚠
K34	TSK1018	FERRITE CORE	4	J0KG00000013
K35	TSX1483	AC POWER CORD	1	K2CF3EH00001 PT-D7500U/ D7600U ⚠
K35-1	K2AZ3Z000003	AC POWER CORD	1	PT-D7500E/D7600E(For U.K) ⚠
K35-2	K2CM3EH00005	AC POWER CORD	1	PT-D7500E/D7600E(For Continental)
G63	TSXL249	FLEX CABLE	3	
G64	TUCB5019	HEAT INSULATION SHEET	2	
G65	TUCB5018	ALUMINUM SHEET	1	
G66	TUCB5017	ALUMINUM SHEET	1	
G67	TUCC25653	HEAT SINK(X-PCB)	1	
K36	TUCC5840	FRONT SHEILD BOARD	1	
G68	TUCC5848	SHIELD PLATE	1	
G69	TUCC5849	ELECTRIC GUIDE METAL	1	
K37	TUSA052	SIGNAL COVER (MAIN)	1	
K38	TUSA053	POWER COVER (MAIN)	1	
K39	TUSA054	BALLAST CASE	2	
K40	TUSD048	SIGNAL COVER (REAR)	1	
K41	TUSD049	POWER COVER (UPPER)	1	
K42	TUSD050	BALLAST CASE COVER	2	
G70	TUSX006	SIGNAL COVER PARTITION	1	
K43	TUSX007	FAN INSTAL METAL(BALAST-L	1	
K44	TUWC033	BIMETAL METAL	1	
K45	TUWE122	TERMINAL METAL	1	
G71	TUWX092	PRISM PLATE	1	
G72	TUWX093	SIDE PLATE	1	
G73	TUXA155	SECOND LENS ASSY PLATE	1	PT-D7500U/E
	TUXA156	SECOND LENS ASSY PLATE	1	PT-D7600U/E
G74	TUXA161	SIGNAL CASE	1	
G75	TUXA162	TRANSPORT METAL 1	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
G76	TUXA163	REINFORCEMENT METAL	1	
G77	TUXA165	TRANSPORT METAL 2	1	
G78	TUXA166	TRANSPORT METAL 3	1	
G79	TUXE191	INSTAL METAL (G-PCB)	1	
G80	TUXE192	INSTAL METAL (G-PCB)	1	
G81	TUXE193	INSTAL METAL (K-PCB)	1	
G82	TUXJ098	INSTAL METAL(POWER BLOCK)	2	
K46	TUXX250	FUSE COVER	1	
K47	TUXX251	FAN BOX COVER	1	
K48	TUXX260	POWER BLOCK INSTALL BASE	1	
K49	TXFKJVJM8	LENS GRILL ASSY	1	
K50	TXZEE01VJM8	ANALYSIS BLOCK ASSY	1	PT-D7500U/E
	TXZEE01VJP1	ANALYSIS BLOCK ASSY	1	PT-D7600U/E
K51	TXZEE02VJM8	ANALYSIS MIRROR ASSY	1	PT-D7500U/E
	TXZEE02VJP1	ANALYSIS MIRROR ASSY	1	PT-D7600U/E
G83	TXZEK01VJM8	LENS SYSTEM UNIT (V)	1	
G84	TXZEK02VJM8	LENS SYSTEM UNIT (H)	1	
G85	TXZEK02VJM8	LENS SYSTEM UNIT (F)	1	
G86	TXZGP01VJM8	PRISM	1	
G87	TXZTE01VJM8	SHUTTER	1	
K52	TXZTE03VJM8	MECHANICAL VARIEGATION	1	PT-D7500U/E
	TXZTE02VJM8	MECHANICAL VARIEGATION	1	PT-D7600U/E
G88	XSB3+8FC	SCREW	2	
G89	XSB4+10FC	SCREW	17	
G90	XSB4+10FZ	SCREW	6	
G91	XSN4+15	SCREW	2	
G92	XSN6+6	SCREW	1	
G93	XSS3+6	SCREW	1	
G94	XTN3+6G	SCREW	5	
G95	XTV3+8A	SCREW	9	
G96	XVE3A10FT	SCREW	3	
G97	XVP4A15X	BOLT	1	
G98	XVP4A30X	BOLT	1	
G99	XWA4B	WASHER	2	
G100	XWC4B	WASHER	1	
G101	XWG4	WASHER	2	
G102	XYN2+F6	SCREW	2	
G103	XYN3+C16	SCREW	2	
G104	XYN3+C5	SCREW	10	
G105	XYN3+F8	SCREW	68	
G106	XYN3+J8	SCREW	12	
G107	XYN4+C12FZ	SCREW	3	
G108	XYN4+C32	SCREW	6	
G109	XYN4+E8	SCREW	4	
G110	XYN4+F10	SCREW	3	
G111	XYN4+F10FZ	SCREW	4	
G112	XYN4+F20FZ	SCREW	8	
G113	XYN4+J30	SCREW	3	
G114	XYN4+J8	SCREW	28	
K53	TXFKF99PQTZ	UPPER COVER	1	PT-D7500U/E
	TXFKF99PQUZ	UPPER COVER	1	PT-D7600U/E

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
K54	TXFKF98PQTZ	BOTTOM COVER	1	PT-D7500U
	TXFKF98PQUZ	BOTTOM COVER	1	PT-D7600U
	TXFKF98PQVZ	BOTTOM COVER	1	PT-D7500E
	TXFKF98PQWZ	BOTTOM COVER	1	PT-D7600E
K55	TXFKP99VJM8	TERMINAL COVER	1	
K56	TXFKP98VJM8	REAR COVER	1	
[INTEGRATED CIRCUIT]				
IC0101	C0DBZZZ00046	I.C	1	
IC0102	B3PAA0000240	I.C	1	⚠
IC0103	C0ZBZ0000544	I.C	1	
IC0104	AN6914S	I.C	1	
IC0401	STRF6676LF52	I.C	1	C5HABZZ00015
IC0402	AN78L15M	I.C	1	
IC0403	AN6914S	I.C	1	
IC0404	B3PAA0000240	I.C	1	⚠
IC0405	B3PAA0000240	I.C	1	
IC0406	B3PAA0000240	I.C	1	
IC0407	C0EAS0000012	I.C	1	
IC0408	AN78L05M	I.C	1	
IC0410	AN78L12M	I.C	1	
IC0411	SI-8050S	I.C	1	C0DAAHH00013
IC701	M62393FP	I.C	1	C0FBBD000085
IC702	PQ05SZ51	I.C	1	C0CBADE00011
IC703	SI-8050S	I.C	1	C0DAAHH00013
IC704	SI-3050F	I.C	1	C0DAZGG00006
IC705	SI-3050F	I.C	1	C0DAZGG00006
IC706	SI-8050S	I.C	1	C0DAAHH00013
IC707	M51957BFP	I.C	1	C0EBB0000024
IC801	SI-3120F	I.C	1	C0DAZJG00015
IC802	JLC1562BF	I.C	1	C0JBAZ001265
IC803	LB1650	I.C	1	C0GAM0000003
IC804	TC4053BF	I.C	1	C0JBAR000222
IC805	MC14538BF	I.C	1	C0JBAM000009
IC806	JLC1562BF	I.C	1	C0JBAZ001265
IC807	JLC1562BF	I.C	1	C0JBAZ001265
IC808	LB1650	I.C	1	C0GAM0000003
IC809	TC4053BF	I.C	1	C0JBAR000222
IC810	MC14538BF	I.C	1	C0JBAM000009
IC811	TC4053BF	I.C	1	C0JBAR000222
IC812	JLC1562BF	I.C	1	C0JBAZ001265
IC813	LB1650	I.C	1	C0GAM0000003
IC1001	C0CABGG00004	I.C	1	
IC1002	SI-8050S	I.C	1	C0DAAHH00013
IC1003	C0DBAHZ00002	I.C	1	
IC1004	C0DBAHZ00002	I.C	1	
IC1005	C0DBAZH00006	I.C	1	
IC1010	SI-3120F	I.C	1	C0DAZJG00015
IC1011	SI-3120F	I.C	1	C0DAZJG00015
IC1012	MC14538BF	I.C	1	C0JBAM000009
IC2001	TVRJ834-1	I.C	1	
IC2003	C1AB00001703	I.C	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC2004	C3ABPJ000035	I.C	1	
IC2005	AN80L25RMS	I.C	1	
IC2006	C0DBEZG00011	I.C	1	
IC2007	TVRJ793-1	I.C	1	
IC2008	C0DBEZG00004	I.C	1	
IC2010	TC7WU04F	I.C	1	C0JBAB000307
IC2011	M51957BFP	I.C	1	C0EBB0000024
IC2012	C3ABPJ000013	I.C	1	
IC2013	C3ABPJ000035	I.C	1	
IC2014	C0DBEZG00011	I.C	1	
IC2015	C3ABPJ000035	I.C	1	
IC2017	C3ABPJ000035	I.C	1	
IC2018	C1ZBZ0001785	I.C	1	
IC2020	C0ZBZ0000685	I.C	1	
IC2021	C0JBAZ001708	I.C	1	
IC2022	TC7WU04F	I.C	1	C0JBAB000307
IC2023	C0JBCZ000485	I.C	1	
IC2024	C0JBCZ000485	I.C	1	
IC2025	C0JBCZ000485	I.C	1	
IC2604	TC74HC4051AF	I.C	1	C0JBAR000126
IC2605	TC74HC4051AF	I.C	1	C0JBAR000126
IC2609	TC74HC4051AF	I.C	1	C0JBAR000126
IC2610	TC74HC4051AF	I.C	1	C0JBAR000126
IC2611	TVRJ792-4	I.C	1	
IC2612	C3ABPJ000035	I.C	1	
IC2613	C0DBFFD00003	I.C	1	
IC2614	C0CBCBF00001	I.C	1	
IC2615	HD17709AF100	I.C	1	C2DBYJ000001
IC2617	C0JBAZ001467	I.C	1	
IC2618	C3EBLC000019	I.C	1	
IC2619	C3EBLC000019	I.C	1	
IC2620	M51957BFP	I.C	1	C0EBB0000024
IC2621	JLC1562BF	I.C	1	C0JBAZ001265
IC2622	C0JBAB000290	I.C	1	
IC2623	JLC1562BF	I.C	1	C0JBAZ001265
IC2624	C0JBAZ000851	I.C	1	
IC2625	UPD4721GS	I.C	1	C0JBAZ000237
IC2626	SN74HC14NS	I.C	1	C0JBAB000124
IC2627	C1DB00000614	I.C	1	
IC2628	C0JBAB000290	I.C	1	
IC2629	TC7SH08F	I.C	1	
IC2630	TC7SH08F	I.C	1	
IC2631	TC7SH08F	I.C	1	
IC2632	C0JBAZ001441	I.C	1	
IC2633	C0JBAZ000630	I.C	1	
IC2634	C0JBAZ000851	I.C	1	
IC3001	C1AB00001226	I.C	1	
IC3002	C1AB00000608	I.C	1	
IC3003	C1AB00001248	I.C	1	
IC3004	C0JBAZ000529	I.C	1	
IC3005	TVSA0500	I.C	1	C3ABMG000074
IC3006	M51957BFP	I.C	1	C0EBB0000024
IC3007	PQ1R33	I.C	1	C0CBABC00037
IC3009	C1AB00001494	I.C	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC3011	C0CBCBE00001	I.C	1	
IC3012	24LC21T-I/SN	I.C	1	C3EBCC000020
IC3013	C0CBADG00003	I.C	1	
IC3014	TC4W53F	I.C	1	
IC3015	TC4W53F	I.C	1	
IC3016	TC4W53F	I.C	1	
IC3017	C0CBCBE00001	I.C	1	
IC3018	C0ABGB000016	I.C	1	
IC3019	TC7SH32FTL	I.C	1	C0JBAE000146
IC3020	C0FBAD000076	I.C	1	
IC3021	M52036SP	I.C	1	C1AA00000392
IC3022	C0ABGB000016	I.C	1	
IC3023	UPC842G2	I.C	1	C0ABBA000017
IC3024	C0ABGB000016	I.C	1	
IC3025	TC74LCX541TL	I.C	1	C0JBAZ000852
IC3026	C0DBFFD00003	I.C	1	
IC3027	C1ZBZ0001965	I.C	1	
IC3029	M51957BFP	I.C	1	C0EBB0000024
IC3030	PLPT16244CA	I.C	1	
IC3031	PLPT16244CA	I.C	1	
IC3032	PLPT16244CA	I.C	1	
IC3033	PLPT16244CA	I.C	1	
IC3034	PLPT16244CA	I.C	1	
IC3035	C3EBFC000017	I.C	1	
IC3036	TA7812F	I.C	1	
IC3038	C0CBADG00003	I.C	1	
IC3041	C0JBAZ001953	I.C	1	
IC3042	C0JBAE000192	I.C	1	
IC3043	C0JBAE000192	I.C	1	
[TRANSISTORS]				
Q0102	2SK2917	FET	1	B1DEGQ000003
Q0103	2SK2917	FET	1	B1DEGQ000003
Q0105	2SD601AR	TRANSISTOR	1	2SD0601AR
Q0108	2SD601AR	TRANSISTOR	1	2SD0601AR
Q0109	2SB709A	TRANSISTOR	1	2SB0709A
Q0401	2SD601AR	TRANSISTOR	1	2SD0601AR
Q0402	2SD601AR	TRANSISTOR	1	2SD0601AR
Q0403	2SD601AR	TRANSISTOR	1	2SD0601AR
Q0404	2SJ307	FET	1	B1DGEM000002
Q0406	2SD601AR	TRANSISTOR	1	2SD0601AR
Q702	2SD601AR	TRANSISTOR	1	2SD0601AR
Q704	2SB709A	TRANSISTOR	1	2SB0709A
Q705	2SD601AR	TRANSISTOR	1	2SD0601AR
Q707	2SD601AR	TRANSISTOR	1	2SD0601AR
Q709	2SD601AR	TRANSISTOR	1	2SD0601AR
Q710	2SB709A	TRANSISTOR	1	2SB0709A
Q711	2SD601AR	TRANSISTOR	1	2SD0601AR
Q712	2SD601AR	TRANSISTOR	1	2SD0601AR
Q713	2SD601AR	TRANSISTOR	1	2SD0601AR
Q714	2SD601AR	TRANSISTOR	1	2SD0601AR
Q715	2SB709A	TRANSISTOR	1	2SB0709A
Q716	2SB709A	TRANSISTOR	1	2SB0709A

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q717	2SD601AR	TRANSISTOR	1	2SD0601AR
Q718	2SD601AR	TRANSISTOR	1	2SD0601AR
Q719	2SD601AR	TRANSISTOR	1	2SD0601AR
Q720	2SD601AR	TRANSISTOR	1	2SD0601AR
Q721	2SD601AR	TRANSISTOR	1	2SD0601AR
Q722	2SD601AR	TRANSISTOR	1	2SD0601AR
Q723	2SD601AR	TRANSISTOR	1	2SD0601AR
Q724	2SD601AR	TRANSISTOR	1	2SD0601AR
Q725	2SD601AR	TRANSISTOR	1	2SD0601AR
Q801	2SD601AR	TRANSISTOR	1	2SD0601AR
Q808	2SD601AR	TRANSISTOR	1	2SD0601AR
Q812	2SD601AR	TRANSISTOR	1	2SD0601AR
Q813	2SD601AR	TRANSISTOR	1	2SD0601AR
Q814	2SD601AR	TRANSISTOR	1	2SD0601AR
Q815	2SB709A	TRANSISTOR	1	2SB0709A
Q816	2SD601AR	TRANSISTOR	1	2SD0601AR
Q817	2SD601AR	TRANSISTOR	1	2SD0601AR
Q818	2SD601AR	TRANSISTOR	1	2SD0601AR
Q819	2SD601AR	TRANSISTOR	1	2SD0601AR
Q820	2SD601AR	TRANSISTOR	1	2SD0601AR
Q821	2SD601AR	TRANSISTOR	1	2SD0601AR
Q822	2SD601AR	TRANSISTOR	1	2SD0601AR
Q823	2SD601AR	TRANSISTOR	1	2SD0601AR
Q824	2SD601AR	TRANSISTOR	1	2SD0601AR
Q825	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1001	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1002	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1003	B1DFGD000013	TRANSISTOR	1	
Q1004	B1DFGD000013	TRANSISTOR	1	
Q1005	B1DFGD000013	TRANSISTOR	1	
Q1006	B1DFGD000013	TRANSISTOR	1	
Q1007	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1008	B1DFGD000013	TRANSISTOR	1	
Q1010	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1011	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1012	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1013	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1014	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1015	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1016	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1017	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1018	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1021	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1022	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1023	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1024	2SD601AR	TRANSISTOR	1	2SD0601AR
Q1025	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2600	2SK620	FET	1	2SK0620
Q2601	2SK620	FET	1	2SK0620
Q2602	2SK620	FET	1	2SK0620
Q2603	2SK620	FET	1	2SK0620
Q2604	2SK620	FET	1	2SK0620
Q2605	2SK620	FET	1	2SK0620
Q2606	2SD601AR	TRANSISTOR	1	2SD0601AR

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q2607	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2608	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2609	2SB709A	TRANSISTOR	1	2SB0709A
Q2610	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2611	2SB709A	TRANSISTOR	1	2SB0709A
Q2612	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2613	2SB709A	TRANSISTOR	1	2SB0709A
Q2614	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2615	2SB709A	TRANSISTOR	1	2SB0709A
Q2616	2SK620	FET	1	2SK0620
Q2617	2SK620	FET	1	2SK0620
Q2618	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2619	2SB709A	TRANSISTOR	1	2SB0709A
Q2620	2SK620	FET	1	2SK0620
Q2621	2SK620	FET	1	2SK0620
Q2623	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2624	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2625	2SB710A	TRANSISTOR	1	2SB0710A
Q2626	2SB709A	TRANSISTOR	1	2SB0709A
Q2629	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2630	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2631	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2632	2SB709A	TRANSISTOR	1	2SB0709A
Q2633	2SD601AR	TRANSISTOR	1	2SD0601AR
Q2634	2SB709A	TRANSISTOR	1	2SB0709A
Q3002	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3003	2SB709A	TRANSISTOR	1	2SB0709A
Q3004	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3005	2SK198R	TRANSISTOR	1	2SK01980R
Q3006	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3007	2SB709A	TRANSISTOR	1	2SB0709A
Q3008	2SB709A	TRANSISTOR	1	2SB0709A
Q3009	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3010	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3011	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3012	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3013	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3014	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3015	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3016	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3017	B1ABBB000032	TRANSISTOR	1	
Q3018	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3019	B1ABBB000032	TRANSISTOR	1	
Q3020	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3021	B1ABBB000032	TRANSISTOR	1	
Q3022	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3023	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3024	2SB709A	TRANSISTOR	1	2SB0709A
Q3025	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3026	2SB709A	TRANSISTOR	1	2SB0709A
Q3027	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3028	B1ABBB000032	TRANSISTOR	1	
Q3029	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3030	B1ABBB000032	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q3031	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3032	B1ABBB000032	TRANSISTOR	1	
Q3033	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3034	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3035	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3036	2SB709A	TRANSISTOR	1	2SB0709A
Q3037	B1ABBB000032	TRANSISTOR	1	
Q3038	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3039	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3040	B1ABBB000032	TRANSISTOR	1	
Q3041	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3042	B1ABBB000032	TRANSISTOR	1	
Q3043	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3044	B1ABBB000032	TRANSISTOR	1	
Q3045	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3046	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3047	2SB709A	TRANSISTOR	1	2SB0709A
Q3048	B1ABBB000032	TRANSISTOR	1	
Q3049	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3050	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3051	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3052	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3053	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3054	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3055	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3056	2SD601AR	TRANSISTOR	1	2SD0601AR
Q3057	2SB709A	TRANSISTOR	1	2SB0709A
Q3058	2SB709A	TRANSISTOR	1	2SB0709A
Q3059	2SB709A	TRANSISTOR	1	2SB0709A
Q3060	2SB709A	TRANSISTOR	1	2SB0709A
Q3061	2SB709A	TRANSISTOR	1	2SB0709A
Q3062	2SB709A	TRANSISTOR	1	2SB0709A
Q3063	2SD601AR	TRANSISTOR	1	2SD0601AR
Q9901	2SD601AR	TRANSISTOR	1	2SD0601AR
Q9951	2SD601AR	TRANSISTOR	1	2SD0601AR
Q9952	2SD601AR	TRANSISTOR	1	2SD0601AR
Q9953	2SD601AR	TRANSISTOR	1	2SD0601AR
Q9954	2SD601AR	TRANSISTOR	1	2SD0601AR
Q9955	2SB709A	TRANSISTOR	1	2SB0709A
Q9956	2SD601AR	TRANSISTOR	1	2SD0601AR
Q9957	2SB709A	TRANSISTOR	1	2SB0709A
Q9958	2SD601AR	TRANSISTOR	1	2SD0601AR
Q9959	2SD601AR	TRANSISTOR	1	2SD0601AR
[DIODES]				
D0101	MA152K	DIODE	1	MA3X152K
D0103	ERZV14D471	VARISTOR	1	⚠
D0104	B0FBCR000010	DIODE	1	
D0106	MA720	DIODE	1	MA3X720
D0108	D1FL20UF4063	DIODE	1	B0HCMM000001
D0109	MA720	DIODE	1	MA3X720
D0110	MA152K	DIODE	1	MA3X152K
D0111	MA5056	ZENER DIODE	1	

[illegible]	[illegible]	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D0112	SF8L60F13	DIODE	1	B0HARR000007
D0115	MA152K	DIODE	1	MA3X152K
D0116	MA720	DIODE	1	MA3X720
D0117	MA720	DIODE	1	MA3X720
D0118	MA152K	DIODE	1	MA3X152K
D0119	MA3047M	ZENER DIODE	1	MAZ30470M
D0120	EG01C	DIODE	1	B0HAGV000001
D0401	D1FL20UF4063	DIODE	1	B0HCMM000001
D0402	MA1Z068	DIODE	1	
D0403	D1FL20UF4063	DIODE	1	B0HCMM000001
D0404	D1FL20UF4063	DIODE	1	B0HCMM000001
D0405	MA723	DIODE	1	MA2C723
D0406	D1FL20UF4063	DIODE	1	B0HCMM000001
D0407	EP01C	DIODE	1	B0HADV000013
D0408	D1FL20UF4063	DIODE	1	B0HCMM000001
D0409	B0HESM000001	DIODE	1	
D0411	B0HESM000001	DIODE	1	
D0412	MA720	DIODE	1	MA3X720
D0413	B0HESM000001	DIODE	1	
D0414	B0HESM000001	DIODE	1	
D0416	MA152K	DIODE	1	MA3X152K
D0420	D1NL40V70	DIODE	1	B0HALP000002
D0421	D1NL40V70	DIODE	1	B0HALP000002
D0422	D1NL40V70	DIODE	1	B0HALP000002
D0423	D1NL40V70	DIODE	1	B0HALP000002
D0424	B0JCPD000010	DIODE	1	
D703	B0JCPD000010	DIODE	1	
D705	B0JCPD000010	DIODE	1	
D801	MA152WK	DIODE	1	MA3X152E
D802	MA152WK	DIODE	1	MA3X152E
D803	MA152WK	DIODE	1	MA3X152E
D804	MA152WK	DIODE	1	MA3X152E
D805	MA152WK	DIODE	1	MA3X152E
D806	MA152WK	DIODE	1	MA3X152E
D807	MA152WK	DIODE	1	MA3X152E
D808	MA152WK	DIODE	1	MA3X152E
D809	MA152WK	DIODE	1	MA3X152E
D810	MA152WK	DIODE	1	MA3X152E
D811	MA152WK	DIODE	1	MA3X152E
D812	MA152WK	DIODE	1	MA3X152E
D813	MA152WK	DIODE	1	MA3X152E
D814	MA152WK	DIODE	1	MA3X152E
D815	MA152WK	DIODE	1	MA3X152E
D816	MA152WK	DIODE	1	MA3X152E
D817	MA152WK	DIODE	1	MA3X152E
D818	MA152WK	DIODE	1	MA3X152E
D819	MA152WK	DIODE	1	MA3X152E
D820	MA152WK	DIODE	1	MA3X152E
D821	MA152WK	DIODE	1	MA3X152E
D822	MA152WK	DIODE	1	MA3X152E
D823	MA152WK	DIODE	1	MA3X152E
D824	MA152WK	DIODE	1	MA3X152E
D825	MA152WK	DIODE	1	MA3X152E
D826	MA152WK	DIODE	1	MA3X152E

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D1001	B0JCPD000010	DIODE	1	
D1002	MA5062	DIODE	1	MAZ5062
D1003	MA720	DIODE	1	MA3X720
D1004	MA720	DIODE	1	MA3X720
D1005	B0JCPD000010	DIODE	1	
D1006	D1FL20UF4063	DIODE	1	B0HCMM000001
D1007	D1FL20UF4063	DIODE	1	B0HCMM000001
D1008	D1FL20UF4063	DIODE	1	B0HCMM000001
D1009	MA5062	DIODE	1	MAZ5062
D1010	B0JCPD000010	DIODE	1	
D1011	B0JCPD000010	DIODE	1	
D1012	MA5062	DIODE	1	MAZ5062
D1013	MA5062	DIODE	1	MAZ5062
D1014	MA152WK	DIODE	1	MA3X152E
D2001	B3ABB0000088	LED	1	
D2002	B3ABB0000088	LED	1	
D2003	B3ABB0000088	LED	1	
D2604	MA152WK	DIODE	1	MA3X152E
D2605	MA152WK	DIODE	1	MA3X152E
D2606	MA3062M	ZENER DIODE	1	MAZ30620M
D2607	MA3062M	ZENER DIODE	1	MAZ30620M
D2608	MA3062M	ZENER DIODE	1	MAZ30620M
D2609	MA3062M	ZENER DIODE	1	MAZ30620M
D2610	MA3062M	ZENER DIODE	1	MAZ30620M
D2611	MA3062M	ZENER DIODE	1	MAZ30620M
D2612	MA3062M	ZENER DIODE	1	MAZ30620M
D2613	MA3062M	ZENER DIODE	1	MAZ30620M
D2614	MA3062M	ZENER DIODE	1	MAZ30620M
D2615	MA3062M	ZENER DIODE	1	MAZ30620M
D2616	MA152WK	DIODE	1	MA3X152E
D2617	MA152WK	DIODE	1	MA3X152E
D2618	MA152WK	DIODE	1	MA3X152E
D2620	MA152WK	DIODE	1	MA3X152E
D2621	LNJ107W5ARA1	LED	1	
D2622	LNJ107W5ARA1	LED	1	
D2623	MA152WK	DIODE	1	MA3X152E
D2624	MA152WK	DIODE	1	MA3X152E
D3001	MA157A	DIODE	1	MA3X157A
D3002	MA157A	DIODE	1	MA3X157A
D3003	MA157A	DIODE	1	MA3X157A
D3004	MA157A	DIODE	1	MA3X157A
D3005	MA157A	DIODE	1	MA3X157A
D3006	MA157A	DIODE	1	MA3X157A
D3007	MA152WK	DIODE	1	MA3X152E
D3008	MA3056M	ZENER DIODE	1	MAZ30560M
D3009	MA3056M	ZENER DIODE	1	MAZ30560M
D3010	MA3056M	ZENER DIODE	1	MAZ30560M
D3011	MA3056M	ZENER DIODE	1	MAZ30560M
D3012	MA157A	DIODE	1	MA3X157A
D3013	MA157A	DIODE	1	MA3X157A
D3014	MA157A	DIODE	1	MA3X157A
D3015	MA157A	DIODE	1	MA3X157A
D3016	MA157A	DIODE	1	MA3X157A
D3017	MA157A	DIODE	1	MA3X157A

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D3018	MA157A	DIODE	1	MA3X157A
D3019	MA157A	DIODE	1	MA3X157A
D3020	MA157A	DIODE	1	MA3X157A
D3021	MA157A	DIODE	1	MA3X157A
D3022	MA157A	DIODE	1	MA3X157A
D3023	MA157A	DIODE	1	MA3X157A
D3024	MA157A	DIODE	1	MA3X157A
D3025	MA157A	DIODE	1	MA3X157A
D3026	MA157A	DIODE	1	MA3X157A
D3027	MA157A	DIODE	1	MA3X157A
D3028	MA111	DIODE	1	MA2J111
D3029	MA157A	DIODE	1	MA3X157A
D3030	MA152WK	DIODE	1	MA3X152E
D3031	MA152WK	DIODE	1	MA3X152E
D3032	MA152WK	DIODE	1	MA3X152E
D3033	MA152WK	DIODE	1	MA3X152E
D3034	MA152WA	DIODE	1	MA3X152D
D3035	MA152WA	DIODE	1	MA3X152D
D3036	MA157A	DIODE	1	MA3X157A
D3037	MA157A	DIODE	1	MA3X157A
D3040	MA152WK	DIODE	1	MA3X152E
D3041	B3ABB0000088	LED	1	
D3042	MA152WK	DIODE	1	MA3X152E
D3044	MA152WK	DIODE	1	MA3X152E
D3047	MA3047M	ZENER DIODE	1	MAZ30470M
D3048	MA3047M	ZENER DIODE	1	MAZ30470M
D9001	ERZV14D471	VARISTOR	1	⚠
D9901	MA152K	DIODE	1	MA3X152K
D9902	MA152K	DIODE	1	MA3X152K
D9951	LN21RPHL	LED (RED)	1	
D9952	LN21RPHL	LED (RED)	1	
D9953	LN21RPHL	LED (RED)	1	
D9954	LN11WP38	LED	1	
D9955	MA152K	DIODE	1	MA3X152K
D9956	MA152K	DIODE	1	MA3X152K
		[COILS]		
L0401	EXCELDR35C	CORE	1	
L0402	EXCELDR35C	CORE	1	
L0403	G0A101GA0001	COIL	1	
L701	G0A101GA0017	CHOKE COIL	1	
L702	G0A101GA0017	CHOKE COIL	1	
L1001	G0A101GA0001	COIL	1	
L1002	EXCELDR35C	CORE	1	
L1003	EXCELDR35C	CORE	1	
L1004	EXCELDR35C	CORE	1	
L1005	EXCELDR35C	CORE	1	
L1006	EXCELDR35C	CORE	1	
L1007	G1C150M00010	COIL	1	
L1009	ETQP6F2R0LFA	COIL	1	
L1010	ETQP6F2R0LFA	COIL	1	
L1011	ETQP6F2R0LFA	COIL	1	
L1012	ETQP6F2R0LFA	COIL	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L2001	TLTAZ100K	PEAKING COIL	1	G1C100KA0002
L2002	G1C100KA0008	COIL	1	
L2003	G1C100KA0008	COIL	1	
L2004	G1C100KA0008	COIL	1	
L2005	G1C100KA0008	COIL	1	
L2006	G1C100KA0008	COIL	1	
L2007	G1C100KA0008	COIL	1	
L2008	G1C100KA0008	COIL	1	
L2009	TLTAZ100K	PEAKING COIL	1	G1C100KA0002
L2010	G1C100KA0008	COIL	1	
L2600	TLTAZ100K	PEAKING COIL	1	G1C100KA0002
L2601	ELJFA6R8JB	CHIP COIL	1	
L3005	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3006	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3007	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3008	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3009	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3010	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3011	J0JGC0000021	EMI FILTER	1	
L3012	J0JGC0000021	EMI FILTER	1	
L3013	J0JGC0000021	EMI FILTER	1	
L3014	J0JGC0000021	EMI FILTER	1	
L3015	J0JGC0000021	EMI FILTER	1	
L3016	J0JGC0000021	EMI FILTER	1	
L3017	J0JGC0000021	EMI FILTER	1	
L3018	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3019	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3020	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3021	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3022	ELJFA6R8JB	CHIP COIL	1	
L3023	ELJFA6R8JB	CHIP COIL	1	
L3024	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3025	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3026	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3027	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3028	ELJFA6R8JB	CHIP COIL	1	
L3029	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3030	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3031	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3032	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3033	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3034	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3035	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3036	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3037	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3038	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3041	J0JGC0000021	EMI FILTER	1	
L3044	J0JGC0000021	EMI FILTER	1	
L3045	J0JGC0000021	EMI FILTER	1	
L3046	J0JGC0000021	EMI FILTER	1	
L3047	J0JGC0000021	EMI FILTER	1	
L3048	J0JGC0000021	EMI FILTER	1	
L3049	J0JGC0000021	EMI FILTER	1	
L3050	J0JGC0000021	EMI FILTER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L3051	J0JGC0000021	EMI FILTER	1	
L3052	J0JGC0000021	EMI FILTER	1	
L3053	J0JGC0000021	EMI FILTER	1	
L3054	J0JGC0000021	EMI FILTER	1	
L3055	J0JGC0000021	EMI FILTER	1	
L3056	J0JGC0000021	EMI FILTER	1	
L3057	J0JGC0000021	EMI FILTER	1	
L3058	J0JGC0000021	EMI FILTER	1	
L3059	J0JGC0000021	EMI FILTER	1	
L3060	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3061	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3062	J0JGC0000021	EMI FILTER	1	
L3063	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3064	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3065	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3066	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3067	J0JGC0000021	EMI FILTER	1	
L3068	J0JGC0000021	EMI FILTER	1	
L3070	J0JGC0000021	EMI FILTER	1	
L3071	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3072	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3073	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3074	ERJ3GEY0R00	M 0 OHM 1/16W	1	
L3075	J0JGC0000021	EMI FILTER	1	
L9001	G0BYYYM00002	COIL	1	⚠
L9002	G0BYYYM00002	COIL	1	⚠
LC2001	EXCCET103U	EMI FILTER	1	
LC2002	EXCCET103U	EMI FILTER	1	
LC2003	EXCCET103U	EMI FILTER	1	
LC2005	EXCCET103U	EMI FILTER	1	
LC2006	EXCCET103U	EMI FILTER	1	
LC2007	EXCCET103U	EMI FILTER	1	
LC2008	EXCCET103U	EMI FILTER	1	
LC2601	EXCCET103U	EMI FILTER	1	
LC2602	ELKE101FA	EMI FILTER	1	
LC2603	ELKE101FA	EMI FILTER	1	
LC2604	ELKE101FA	EMI FILTER	1	
LC2605	ELKE101FA	EMI FILTER	1	
LC2606	ELKE101FA	EMI FILTER	1	
LC2607	ELKE101FA	EMI FILTER	1	
LC2608	ELKE101FA	EMI FILTER	1	
LC2609	ELKE101FA	EMI FILTER	1	
LC2610	ELKE101FA	EMI FILTER	1	
LC2611	ELKE101FA	EMI FILTER	1	
LC2612	ELKE101FA	EMI FILTER	1	
LC2613	ELKE101FA	EMI FILTER	1	
LC2614	ELKE101FA	EMI FILTER	1	
LC2615	ELKE101FA	EMI FILTER	1	
LC2616	ELKE101FA	EMI FILTER	1	
LC2617	ELKE101FA	EMI FILTER	1	
LC2618	ELKE101FA	EMI FILTER	1	
LC2619	ELKE101FA	EMI FILTER	1	
LC2620	ELKE101FA	EMI FILTER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
LC2621	ELKE101FA	EMI FILTER	1	
LC2622	ELKE101FA	EMI FILTER	1	
LC2623	ELKE101FA	EMI FILTER	1	
LC2624	ELKE101FA	EMI FILTER	1	
LC2625	ELKE101FA	EMI FILTER	1	
LC3001	ELKE101FA	EMI FILTER	1	
LC3002	ELKE101FA	EMI FILTER	1	
LC3003	ELKE101FA	EMI FILTER	1	
LC3004	ELKE101FA	EMI FILTER	1	
LC3005	EXCCET103U	EMI FILTER	1	
LC3007	EXCCET103U	EMI FILTER	1	
LC3009	EXCCET103U	EMI FILTER	1	
LC3011	EXCCET103U	EMI FILTER	1	
		[RESISTORS]		
R0101	ERJ6GEYJ561	M 560 OHM J 1/10W	1	
R0102	ERJ6GEYJ561	M 560 OHM J 1/10W	1	
R0103	ERU5TEK5R1	F 5.1 OHM 5W	1	
R0104	ERJ6ENF8203	M 820KOHM 1/10W	1	
R0105	ERJ6ENF8203	M 820KOHM 1/10W	1	
R0106	ERJ6ENF1502	M 15KOHM 1/10W	1	
R0109	ERJ6GEYJ105	M 1MOHM J 1/10W	1	
R0110	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R0111	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R0112	ERJ6GEYJ391	M 390 OHM J 1/10W	1	
R0114	ERJ6GEYJ100	M 10 OHM J 1/10W	1	
R0120	ERJ6ENF5101	M 5.1KOHM 1/10W	1	
R0121	ERJ6ENF5101	M 5.1KOHM 1/10W	1	
R0122	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R0123	ERJ6ENF1503	M 150KOHM 1/10W	1	
R0124	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R0125	ERF10TLK47M	W 0.47OHM 10W	1	
R0126	ERJ12YJ103H	M 10KOHM 1/2W	1	
R0127	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R0128	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R0129	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R0131	ERF10TLK47M	W 0.47OHM 10W	1	
R0132	ERJ12YJ103H	M 10KOHM 1/2W	1	
R0133	ERJ12YJ100H	M 10 OHM 1/2W	1	
R0134	ERJ12YJ100H	M 10 OHM 1/2W	1	
R0137	ERJ6ENF4703	M 470KOHM 1/10W	1	
R0138	ERJ6ENF3303	M 330KOHM 1/10W	1	
R0139	ERJ6ENF4703	M 470KOHM 1/10W	1	
R0140	ERJ6ENF1203	M 120KOHM 1/10W	1	
R0141	ERJ6GEYJ105	M 1MOHM J 1/10W	1	
R0144	ERJ6GEYJ153	M 15KOHM J 1/10W	1	
R0145	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0146	ERU5TEK5R1	F 5.1 OHM 5W	1	
R0147	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R0148	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0149	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R0150	ERJ6GEYJ272	M 2.7KOHM J 1/10W	1	
R0151	ERJ6ENF4703	M 470KOHM 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R0152	ERJ6ENF3303	M 330KOHM 1/10W	1	
R0153	ERJ6ENF4703	M 470KOHM 1/10W	1	
R0154	ERJ6ENF1203	M 120KOHM 1/10W	1	
R0155	ERJ6ENF1503	M 150KOHM 1/10W	1	
R0156	ERJ6ENF1502	M 15KOHM 1/10W	1	
R0157	ERJ6ENF1001	M 1KOHM 1/10W	1	
R0158	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R0159	ERJ6ENF4703	M 470KOHM 1/10W	1	
R0160	ERJ6ENF4703	M 470KOHM 1/10W	1	
R0161	ERJ6ENF3303	M 330KOHM 1/10W	1	
R0162	ERJ6ENF3303	M 330KOHM 1/10W	1	
R0163	ERJ6ENF6202	M 62KOHM 1/10W	1	
R0164	ERJ6ENF4751	M4.75KOHM 1/10W	1	
R0165	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0401	ERG5FJ823	M 82KOHM 5W	1	
R0402	ERJ6GEYJ333	M 33KOHM J 1/10W	1	
R0403	ERJ6ENF2702	M 27KOHM 1/10W	1	
R0404	ERJ6ENF1002	M 10KOHM 1/10W	1	
R0405	ERJ6GEYJ564	M 560KOHM J 1/10W	1	
R0406	ERJ6GEYJ564	M 560KOHM J 1/10W	1	
R0407	ERJ6GEYJ624	M 620KOHM J 1/10W	1	
R0408	ERJ6GEYJ333	M 33KOHM J 1/10W	1	
R0409	ERJ6GEYJ183	M 18KOHM J 1/10W	1	
R0410	ERJ6GEYJ681	M 680 OHM J 1/10W	1	
R0411	ERJ6ENF3903	M 390KOHM 1/10W	1	
R0412	ERJ6ENF3903	M 390KOHM 1/10W	1	
R0413	ERJ6ENF3903	M 390KOHM 1/10W	1	
R0414	ERJ6ENF3302	M 33KOHM 1/10W	1	
R0415	D1AGR220A002	RESISTOR	1	
R0417	D1AGR220A003	RESISTOR	1	
R0418	ERJ6GEYJ152	M 1.5KOHM J 1/10W	1	
R0419	ERJ6GEYJ152	M 1.5KOHM J 1/10W	1	
R0420	D1AGR220A003	RESISTOR	1	
R0421	ERG5FJ823	M 82KOHM 5W	1	
R0422	ERJ6GEYJ152	M 1.5KOHM J 1/10W	1	
R0423	ERDS1FJ220	C 22 OHM J 1/2W	1	
R0424	ERJ6GEYJ272	M 2.7KOHM J 1/10W	1	
R0425	ERD75TAJ825	C 8.2MOHM J 3/4W	1	⚠
R0426	ERJ6GEYJ392	M 3.9KOHM J 1/10W	1	
R0427	ERJ6GEYJ332	M 3.3KOHM J 1/10W	1	
R0428	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0429	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0432	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0433	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0440	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0441	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R0442	ERJ6GEYJ153	M 15KOHM J 1/10W	1	
R0443	ERJ6GEYJ331	M 330 OHM J 1/10W	1	
R0448	ERJ6GEYJ153	M 15KOHM J 1/10W	1	
R0452	ERJ6GEYJ392	M 3.9KOHM J 1/10W	1	
R704	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R705	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R706	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R707	ERJ6GEYJ220	M 22 OHM J 1/10W	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R708	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R709	ERJ6GEYJ123	M 12KOHM J 1/10W	1	
R710	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R711	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R712	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R713	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R714	ERJ6GEYJ183	M 18KOHM J 1/10W	1	
R715	ERJ6GEYJ822	M 8.2KOHM J 1/10W	1	
R716	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R717	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R718	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R719	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R722	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R723	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R724	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R726	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R727	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R728	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R729	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R730	ERJ6ENF8450	M 845 OHM 1/10W	1	
R732	ERJ6GEYJ123	M 12KOHM J 1/10W	1	
R735	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R736	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R739	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R740	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R741	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R742	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R743	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R745	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R746	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R748	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R749	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R750	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R751	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R752	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R753	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R754	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R755	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R756	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R757	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R758	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R759	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R760	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R761	ERJ6ENF8450	M 845 OHM 1/10W	1	
R762	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R763	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R764	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R765	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R766	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R767	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R768	ERJ6ENF1001	M 1KOHM 1/10W	1	
R769	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R770	ERJ6ENF1001	M 1KOHM 1/10W	1	
R771	ERJ6GEYJ103	M 10KOHM J 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R772	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R773	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R774	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R776	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R778	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R779	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R782	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R784	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R785	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R786	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R787	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R788	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R789	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R790	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R791	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R801	EXB38V103J	RESISTOR ARRAY	1	
R802	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R803	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R804	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R805	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R806	EXB38V103J	RESISTOR ARRAY	1	
R808	EXB38V103J	RESISTOR ARRAY	1	
R815	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R816	ERJ6ENF1213	M 121KOHM 1/10W	1	
R817	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R818	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R819	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R823	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R826	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R831	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R833	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R834	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R835	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R836	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R837	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R838	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R839	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R840	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R841	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R843	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R844	ERJ6ENF1213	M 121KOHM 1/10W	1	
R848	EXB38V103J	RESISTOR ARRAY	1	
R850	EXB38V103J	RESISTOR ARRAY	1	
R853	ERJ6ENF2743	M 274KOHM 1/10W	1	
R854	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R855	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R856	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R857	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R858	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R859	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R860	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R861	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R862	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R863	ERJ6GEYJ223	M 22KOHM J 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R864	ERJ6GEYJ332	M 3.3KOHM J 1/10W	1	
R865	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R866	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R867	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R868	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R869	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R870	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R871	ERJ6GEYJ332	M 3.3KOHM J 1/10W	1	
R872	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R873	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R874	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R875	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R876	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R877	ERJ6GEYJ334	M 330KOHM J 1/10W	1	
R878	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R879	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R880	EXB38V103J	RESISTOR ARRAY	1	
R881	ERJ6GEYJ821	M 820 OHM J 1/10W	1	
R882	ERJ6GEYJ821	M 820 OHM J 1/10W	1	
R883	EXB38V103J	RESISTOR ARRAY	1	
R884	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R885	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R886	ERJ6GEYJ332	M 3.3KOHM J 1/10W	1	
R887	ERJ6GEYJ332	M 3.3KOHM J 1/10W	1	
R888	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R889	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R890	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R891	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R892	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R893	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R894	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R895	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R896	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R897	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R898	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R899	EXB38V103J	RESISTOR ARRAY	1	
R900	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R901	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R902	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R903	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R904	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R905	ERJ6GEYJ332	M 3.3KOHM J 1/10W	1	
R906	ERJ6GEYJ332	M 3.3KOHM J 1/10W	1	
R907	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R908	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R909	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R910	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R911	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R912	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R913	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R914	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R915	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R916	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R917	ERJ6GEYJ223	M 22KOHM J 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R918	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R919	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R920	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R921	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R922	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R926	ERJ6GEYJ332	M 3.3KOHM J 1/10W	1	
R927	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1001	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1003	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1004	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1005	ERJ6GEYJ333	M 33KOHM J 1/10W	1	
R1006	ERJ6GEYJ105	M 1MOHM J 1/10W	1	
R1007	ERJ6GEYJ333	M 33KOHM J 1/10W	1	
R1008	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1009	ERJ6GEYJ105	M 1MOHM J 1/10W	1	
R1010	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1011	ERJ6GEYJ330	M 33 OHM J 1/10W	1	
R1012	ERJ6ENF1201	M 1.2KOHM 1/10W	1	
R1013	ERJL1WKJ10C	RESISTOR	1	
R1014	ERJL1WKJ10C	RESISTOR	1	
R1015	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1016	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1017	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1018	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1019	ERJ6GEYJ100	M 10 OHM J 1/10W	1	
R1020	ERJ6GEYJ100	M 10 OHM J 1/10W	1	
R1021	ERJ6GEYJ100	M 10 OHM J 1/10W	1	
R1022	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R1025	ERJ6GEYJ105	M 1MOHM J 1/10W	1	
R1026	ERJ6ENF2371	M2.37KOHM 1/10W	1	
R1027	ERJ6ENF2201	M 2.2KOHM 1/10W	1	
R1028	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R1029	ERJ6ENF1002	M 10KOHM 1/10W	1	
R1031	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1032	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1033	ERJ6GEYJ153	M 15KOHM J 1/10W	1	
R1034	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1035	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
R1036	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1037	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1038	ERJM1WSF8M0	RESISTOR	1	
R1039	ERJM1WSF8M0	RESISTOR	1	
R1040	ERJM1WSF8M0	RESISTOR	1	
R1041	ERJM1WSF8M0	RESISTOR	1	
R1042	ERJ6ENF1502	M 15KOHM 1/10W	1	
R1043	ERJ6ENF6811	M6.81KOHM 1/10W	1	
R1044	ERJ6ENF2202	M 2.2KOHM 1/10W	1	
R1045	ERJ6ENF6811	M6.81KOHM 1/10W	1	
R1046	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1047	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1049	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1050	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1051	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1052	ERJ6GEYJ102	M 1KOHM J 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1053	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1054	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1055	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1056	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R1057	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1058	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1059	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1060	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1061	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1062	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1063	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1064	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1065	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R1066	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1067	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1068	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1069	UN11027	IC PROTECTOR	1	UNH0127
R1074	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1075	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1076	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1077	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1078	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1079	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1080	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1081	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1082	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1083	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1084	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1085	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1086	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1087	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1088	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R1089	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1090	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1091	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1092	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1093	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R1094	ERJL1WKJ10C	RESISTOR	1	
R1095	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1096	ERJ6GEYJ473	M 47KOHM J 1/10W	1	
R1097	UN11027	IC PROTECTOR	1	UNH0127
R1098	UN11027	IC PROTECTOR	1	UNH0127
R1099	UN11027	IC PROTECTOR	1	UNH0127
R2001	EXB38V330J	RESISTOR ARRAY	1	
R2002	EXB38V330J	RESISTOR ARRAY	1	
R2003	EXB38V330J	RESISTOR ARRAY	1	
R2004	EXB38V330J	RESISTOR ARRAY	1	
R2005	EXB38V330J	RESISTOR ARRAY	1	
R2006	EXB38V330J	RESISTOR ARRAY	1	
R2007	EXB38V330J	RESISTOR ARRAY	1	
R2008	EXB38V330J	RESISTOR ARRAY	1	
R2009	EXB38V330J	RESISTOR ARRAY	1	
R2010	EXB38V330J	RESISTOR ARRAY	1	
R2011	EXB38V330J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2012	EXB38V330J	RESISTOR ARRAY	1	
R2013	EXB38V330J	RESISTOR ARRAY	1	
R2014	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2015	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2016	EXB38V330J	RESISTOR ARRAY	1	
R2017	EXB38V330J	RESISTOR ARRAY	1	
R2018	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2019	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2020	EXB38V330J	RESISTOR ARRAY	1	
R2021	EXB38V330J	RESISTOR ARRAY	1	
R2022	ERJ3GEYJ681	M 680 OHM J 1/16W	1	
R2023	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R2024	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R2025	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2026	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2027	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2032	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2033	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2034	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2035	EXB38V330J	RESISTOR ARRAY	1	
R2036	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2037	EXB38V330J	RESISTOR ARRAY	1	
R2038	EXB38V330J	RESISTOR ARRAY	1	
R2039	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2040	EXB38V330J	RESISTOR ARRAY	1	
R2041	EXB38V330J	RESISTOR ARRAY	1	
R2042	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2043	EXB38V330J	RESISTOR ARRAY	1	
R2044	EXB38V330J	RESISTOR ARRAY	1	
R2045	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2046	EXB38V330J	RESISTOR ARRAY	1	
R2047	EXB38V330J	RESISTOR ARRAY	1	
R2048	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2049	EXB38V330J	RESISTOR ARRAY	1	
R2050	EXB38V330J	RESISTOR ARRAY	1	
R2051	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2052	EXB38V330J	RESISTOR ARRAY	1	
R2053	EXB38V330J	RESISTOR ARRAY	1	
R2054	EXB38V330J	RESISTOR ARRAY	1	
R2056	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R2057	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2058	EXB38V152J	RESISTOR ARRAY	1	
R2059	EXB38V152J	RESISTOR ARRAY	1	
R2060	EXB38V152J	RESISTOR ARRAY	1	
R2061	EXB38V152J	RESISTOR ARRAY	1	
R2062	EXB38V152J	RESISTOR ARRAY	1	
R2063	EXB38V152J	RESISTOR ARRAY	1	
R2064	EXB38V152J	RESISTOR ARRAY	1	
R2065	EXB38V152J	RESISTOR ARRAY	1	
R2066	EXB38V152J	RESISTOR ARRAY	1	
R2067	EXB38V152J	RESISTOR ARRAY	1	
R2068	EXB38V152J	RESISTOR ARRAY	1	
R2069	EXB38V152J	RESISTOR ARRAY	1	
R2070	EXB38V152J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2071	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2072	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2073	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2074	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2075	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2076	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2077	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2078	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2079	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2080	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2081	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2082	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2083	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2084	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2085	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2086	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2087	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2088	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2093	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2094	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2095	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2100	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2101	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2102	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2103	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2104	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2106	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2107	EXB38V330J	RESISTOR ARRAY	1	
R2108	EXB38V330J	RESISTOR ARRAY	1	
R2109	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2110	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2111	EXB38V330J	RESISTOR ARRAY	1	
R2112	EXB38V330J	RESISTOR ARRAY	1	
R2113	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2114	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2115	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2116	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2117	EXB38V330J	RESISTOR ARRAY	1	
R2118	EXB38V330J	RESISTOR ARRAY	1	
R2119	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2120	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2121	EXB38V330J	RESISTOR ARRAY	1	
R2122	EXB38V330J	RESISTOR ARRAY	1	
R2123	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2124	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2125	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2126	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2127	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2128	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2129	EXB38V330J	RESISTOR ARRAY	1	
R2130	EXB38V330J	RESISTOR ARRAY	1	
R2131	EXB38V330J	RESISTOR ARRAY	1	
R2132	EXB38V330J	RESISTOR ARRAY	1	
R2133	EXB38V330J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2134	EXB38V330J	RESISTOR ARRAY	1	
R2135	EXB38V330J	RESISTOR ARRAY	1	
R2136	EXB38V330J	RESISTOR ARRAY	1	
R2137	EXB38V330J	RESISTOR ARRAY	1	
R2138	EXB38V330J	RESISTOR ARRAY	1	
R2139	EXB38V330J	RESISTOR ARRAY	1	
R2140	EXB38V330J	RESISTOR ARRAY	1	
R2141	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2142	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2143	EXB38V330J	RESISTOR ARRAY	1	
R2144	EXB38V330J	RESISTOR ARRAY	1	
R2145	EXB38V330J	RESISTOR ARRAY	1	
R2146	EXB38V330J	RESISTOR ARRAY	1	
R2147	EXB38V330J	RESISTOR ARRAY	1	
R2148	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2149	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2152	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2153	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2154	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2155	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2156	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2157	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2158	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2159	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2160	EXB38V820J	RESISTOR ARRAY	1	
R2161	EXB38V820J	RESISTOR ARRAY	1	
R2162	EXB38V820J	RESISTOR ARRAY	1	
R2163	EXB38V820J	RESISTOR ARRAY	1	
R2164	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2166	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2167	EXB38V820J	RESISTOR ARRAY	1	
R2168	EXB38V820J	RESISTOR ARRAY	1	
R2171	EXB38V820J	RESISTOR ARRAY	1	
R2172	EXB38V820J	RESISTOR ARRAY	1	
R2173	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2174	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2175	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2176	UN11027	IC PROTECTOR	1	UNH0127
R2177	UN11027	IC PROTECTOR	1	UNH0127
R2178	UN11027	IC PROTECTOR	1	UNH0127
R2179	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2184	EXB38V330J	RESISTOR ARRAY	1	
R2185	EXB38V330J	RESISTOR ARRAY	1	
R2186	EXB38V330J	RESISTOR ARRAY	1	
R2187	EXB38V330J	RESISTOR ARRAY	1	
R2188	EXB38V330J	RESISTOR ARRAY	1	
R2189	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2190	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2191	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2192	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2193	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2194	ERJ6ENF2100	M 210 OHM 1/10W	1	
R2195	ERJ6ENF1001	M 1KOHM 1/10W	1	
R2196	ERJ6ENF47R0	M 47 OHM 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2197	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2198	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2199	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2201	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2202	ERJ6ENF5600	M 560 OHM 1/10W	1	
R2204	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2205	ERJ6ENF1001	M 1KOHM 1/10W	1	
R2206	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2208	ERJ6ENF47R0	M 47 OHM 1/10W	1	
R2209	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2210	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2212	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2214	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2215	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2216	ERJ3GEYJ182	M 1.8KOHM J 1/16W	1	
R2217	ERJ3GEYJ105	M 1M OHM J 1/16W	1	
R2218	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2219	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2220	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2221	ERJ6ENF1001	M 1KOHM 1/10W	1	
R2222	ERJ6ENF1001	M 1KOHM 1/10W	1	
R2223	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2224	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2225	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2226	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2227	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2228	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2230	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2232	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2236	ERJ6ENF5600	M 560 OHM 1/10W	1	
R2237	ERJ6ENF1271	M1.27KOHM 1/10W	1	
R2238	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2239	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2240	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2241	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2242	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2243	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2244	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2245	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2246	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2247	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2248	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2249	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2250	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2251	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2252	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2253	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2254	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2255	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2256	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2257	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2258	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2259	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2260	ERJ6GEYJ151	M 150 OHM J 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2261	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2262	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2263	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2264	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2265	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2266	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2267	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2268	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2269	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2270	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2271	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2272	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2273	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2274	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2275	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2276	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2277	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2278	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2279	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2280	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2281	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2282	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2283	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2284	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2285	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2286	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2287	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2288	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2289	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2290	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2291	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2292	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2293	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2294	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2295	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2296	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2297	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2298	ERJ6GEYJ151	M 150 OHM J 1/10W	1	
R2299	EXB38V330J	RESISTOR ARRAY	1	
R2300	EXB38V330J	RESISTOR ARRAY	1	
R2301	EXB38V330J	RESISTOR ARRAY	1	
R2302	EXB38V330J	RESISTOR ARRAY	1	
R2303	EXB38V330J	RESISTOR ARRAY	1	
R2304	EXB38V330J	RESISTOR ARRAY	1	
R2305	EXB38V330J	RESISTOR ARRAY	1	
R2306	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2307	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2311	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2312	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2313	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2314	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2315	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2316	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2318	EXB38V472J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2319	ERJ3GEYJ182	M 1.8KOHM J 1/16W	1	
R2320	ERJ3GEYJ105	M 1M OHM J 1/16W	1	
R2321	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2322	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2323	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2324	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2325	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2327	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2328	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2329	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2330	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2333	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2334	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2335	ERJ3GEYJ202	M 2K OHM J 1/16W	1	
R2336	EXB38V472J	RESISTOR ARRAY	1	
R2337	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2338	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2339	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2340	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2341	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2343	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2344	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2347	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2348	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2349	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2350	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2351	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2352	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2353	EXB38V330J	RESISTOR ARRAY	1	
R2356	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2357	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2358	EXB38V330J	RESISTOR ARRAY	1	
R2359	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2360	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R2361	EXB38VR000	RESISTOR ARRAY	1	
R2362	EXB38V330J	RESISTOR ARRAY	1	
R2363	EXB38V330J	RESISTOR ARRAY	1	
R2364	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2365	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2366	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2367	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2368	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2369	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2370	EXB38V330J	RESISTOR ARRAY	1	
R2371	EXB38V330J	RESISTOR ARRAY	1	
R2372	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2373	EXB38V330J	RESISTOR ARRAY	1	
R2374	EXB38V330J	RESISTOR ARRAY	1	
R2375	EXB38V330J	RESISTOR ARRAY	1	
R2376	EXB38V330J	RESISTOR ARRAY	1	
R2377	EXB38V330J	RESISTOR ARRAY	1	
R2378	EXB38V330J	RESISTOR ARRAY	1	
R2379	EXB38V330J	RESISTOR ARRAY	1	
R2380	EXB38V330J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2381	EXB38V330J	RESISTOR ARRAY	1	
R2382	EXB38V330J	RESISTOR ARRAY	1	
R2383	EXB38V330J	RESISTOR ARRAY	1	
R2384	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2385	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2386	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2399	ERJ3GEYJ100	M 10 OHM J 1/16W	1	
R2400	ERJ3GEYJ100	M 10 OHM J 1/16W	1	
R2401	ERJ3GEYJ100	M 10 OHM J 1/16W	1	
R2600	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2601	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2602	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2603	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2604	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2605	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2606	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2607	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2609	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2610	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2611	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2613	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2614	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2616	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2617	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2618	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2620	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2621	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2622	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2623	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2624	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2625	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2626	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2627	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2628	EXB38V472J	RESISTOR ARRAY	1	
R2629	EXB38V472J	RESISTOR ARRAY	1	
R2630	EXB38V472J	RESISTOR ARRAY	1	
R2631	EXB38V472J	RESISTOR ARRAY	1	
R2632	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2633	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2634	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2635	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2636	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2637	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2638	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2639	EXB38V472J	RESISTOR ARRAY	1	
R2640	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2642	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2643	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2644	EXB38V472J	RESISTOR ARRAY	1	
R2646	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2647	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2648	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2649	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2650	ERJ3GEYJ220	M 22 OHM J 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2651	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2652	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2653	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2654	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2655	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2656	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2658	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2660	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2662	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2663	EXB38V220J	RESISTOR ARRAY	1	
R2664	EXB38V220J	RESISTOR ARRAY	1	
R2665	EXB38V220J	RESISTOR ARRAY	1	
R2666	EXB38V220J	RESISTOR ARRAY	1	
R2667	EXB38V220J	RESISTOR ARRAY	1	
R2668	EXB38V220J	RESISTOR ARRAY	1	
R2669	EXB38V220J	RESISTOR ARRAY	1	
R2670	EXB38V220J	RESISTOR ARRAY	1	
R2671	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2673	ERJ6GEYJ392	M 3.9KOHM J 1/10W	1	
R2674	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2675	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2677	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2678	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2680	ERJ6GEYJ822	M 8.2KOHM J 1/10W	1	
R2681	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2682	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2683	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2684	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2686	ERJ3GEYJ104	M 100KOHM J 1/16W	1	
R2687	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2688	ERJ3GEYJ562	M 5.6KOHM J 1/16W	1	
R2689	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2691	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2692	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2693	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2694	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2696	EXB38V220J	RESISTOR ARRAY	1	
R2697	ERJ3GEYJ562	M 5.6KOHM J 1/16W	1	
R2700	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2701	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2702	EXB38V220J	RESISTOR ARRAY	1	
R2703	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2704	EXB38V102J	RESISTOR ARRAY	1	
R2705	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2706	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2708	EXB38V220J	RESISTOR ARRAY	1	
R2709	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2710	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2711	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2712	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2713	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2714	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2715	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2716	EXB38V220J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2717	EXB38V220J	RESISTOR ARRAY	1	
R2718	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2719	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2720	EXB38V220J	RESISTOR ARRAY	1	
R2721	EXB38V220J	RESISTOR ARRAY	1	
R2722	ERJ3GEYJ562	M 5.6KOHM J 1/16W	1	
R2723	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R2724	EXB38V220J	RESISTOR ARRAY	1	
R2725	EXB38V220J	RESISTOR ARRAY	1	
R2726	ERJ6GEYJ471	M 470 OHM J 1/10W	1	
R2727	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2728	EXB38V220J	RESISTOR ARRAY	1	
R2729	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2730	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2731	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2732	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2733	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2734	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2735	EXB38V220J	RESISTOR ARRAY	1	
R2736	EXB38V220J	RESISTOR ARRAY	1	
R2737	EXB38V220J	RESISTOR ARRAY	1	
R2738	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2739	ERJ3GEYJ562	M 5.6KOHM J 1/16W	1	
R2740	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2741	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R2742	EXB38V220J	RESISTOR ARRAY	1	
R2743	EXB38V220J	RESISTOR ARRAY	1	
R2744	ERJ6GEYJ471	M 470 OHM J 1/10W	1	
R2745	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2746	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2747	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2748	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2749	EXB38V220J	RESISTOR ARRAY	1	
R2750	ERJ3GEYJ562	M 5.6KOHM J 1/16W	1	
R2751	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R2752	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2753	EXB38V220J	RESISTOR ARRAY	1	
R2754	ERJ6GEYJ471	M 470 OHM J 1/10W	1	
R2755	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2756	EXB38V220J	RESISTOR ARRAY	1	
R2757	EXB38V220J	RESISTOR ARRAY	1	
R2758	ERJ3GEYJ562	M 5.6KOHM J 1/16W	1	
R2759	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2760	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R2761	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2762	EXB38V220J	RESISTOR ARRAY	1	
R2763	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2764	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2765	ERJ6GEYJ471	M 470 OHM J 1/10W	1	
R2766	EXB38V220J	RESISTOR ARRAY	1	
R2767	EXB38V220J	RESISTOR ARRAY	1	
R2768	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2769	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2770	ERJ6ENF2202	M 2.2KOHM 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2771	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2772	ERJ3GEYJ470	M 47 OHM J 1/16W	1	
R2773	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2774	EXB38V220J	RESISTOR ARRAY	1	
R2775	EXB38V220J	RESISTOR ARRAY	1	
R2776	EXB38V220J	RESISTOR ARRAY	1	
R2777	EXB38V220J	RESISTOR ARRAY	1	
R2778	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2779	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2780	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2781	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2782	ERJ6ENF2202	M 2.2KOHM 1/10W	1	
R2783	ERJ6ENF2202	M 2.2KOHM 1/10W	1	
R2784	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2785	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2786	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2788	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2789	EXB38V103J	RESISTOR ARRAY	1	
R2790	ERJ3GEYJ682	M 6.8KOHM J 1/16W	1	
R2791	ERJ3GEYJ822	M 8.2KOHM J 1/16W	1	
R2792	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2793	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2795	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2796	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2797	ERJ3GEYJ105	M 1M OHM J 1/16W	1	
R2798	ERJ3GEYJ105	M 1M OHM J 1/16W	1	
R2799	ERJ3GEYJ272	M 2.7KOHM J 1/16W	1	
R2800	ERJ3GEYJ105	M 1M OHM J 1/16W	1	
R2801	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2802	EXB38V472J	RESISTOR ARRAY	1	
R2803	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2804	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2805	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2806	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2807	EXB38V472J	RESISTOR ARRAY	1	
R2814	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2815	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2816	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2817	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2818	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2819	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2820	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2822	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2823	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2824	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2825	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2826	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2827	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2828	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2829	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2830	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2831	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2832	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2833	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2834	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2835	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2836	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2837	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2838	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2839	ERJ6GEYJ330	M 33 OHM J 1/10W	1	
R2841	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2842	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2843	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2844	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R2845	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R2846	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R2848	ERJ6GEYJ182	M 1.8KOHM J 1/10W	1	
R2849	ERJ6GEYJ272	M 2.7KOHM J 1/10W	1	
R2850	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2851	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R2852	ERJ6GEYJ181	M 180 OHM J 1/10W	1	
R2853	ERJ6GEYJ182	M 1.8KOHM J 1/10W	1	
R2854	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R2855	ERJ6GEYJ181	M 180 OHM J 1/10W	1	
R2856	ERJ6GEYJ182	M 1.8KOHM J 1/10W	1	
R2857	ERJ6GEYJ182	M 1.8KOHM J 1/10W	1	
R2858	ERJ6GEYJ2R2	M 2.2 OHM J 1/10W	1	
R2859	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R2860	ERJ6GEYJ181	M 180 OHM J 1/10W	1	
R2861	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R2862	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R2863	ERJ6GEYJ181	M 180 OHM J 1/10W	1	
R2864	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R2865	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R2866	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2867	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2868	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2869	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2870	ERJ6GEYJ223	M 22KOHM J 1/10W	1	
R2871	ERJ6GEYJ391	M 390 OHM J 1/10W	1	
R2872	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R2873	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R2874	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R2875	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R2876	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R2877	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2878	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R2879	ERJ6GEYJ220	M 22 OHM J 1/10W	1	
R2880	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2881	ERD25VJ1R0	RESISTOR	1	
R2882	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2883	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2884	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2885	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2886	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2887	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2888	ERJ6GEYJ561	M 560 OHM J 1/10W	1	
R2889	ERJ6GEYJ561	M 560 OHM J 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2890	ERJ6GEYJ561	M 560 OHM J 1/10W	1	
R2891	ERJ6GEYJ561	M 560 OHM J 1/10W	1	
R2893	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2895	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R2896	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2897	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2898	EXB38V220J	RESISTOR ARRAY	1	
R2899	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2900	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2901	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2903	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2904	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2905	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2906	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2907	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2908	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2909	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2910	ERJ3GEYJ105	M 1M OHM J 1/16W	1	
R2911	ERJ3GEYJ184	M 180KOHM J 1/16W	1	
R2912	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2913	EXB38V220J	RESISTOR ARRAY	1	
R2914	EXB38V220J	RESISTOR ARRAY	1	
R2915	EXB38V220J	RESISTOR ARRAY	1	
R2916	EXB38V220J	RESISTOR ARRAY	1	
R2917	ERJ3GEYJ820	M 82 OHM J 1/16W	1	
R2918	ERJ3GEYJ820	M 82 OHM J 1/16W	1	
R2919	ERJ3GEYJ820	M 82 OHM J 1/16W	1	
R2920	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2921	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2922	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2923	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R2924	EXB38V103J	RESISTOR ARRAY	1	
R2925	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2926	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2927	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R2928	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2929	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2930	ERJ3GEYJ271	M 270 OHM J 1/16W	1	
R2931	ERJ3GEYJ271	M 270 OHM J 1/16W	1	
R2932	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R2933	ERJ3GEYJ561	M 560 OHM J 1/16W	1	
R2934	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R2936	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2937	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R2938	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2939	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2940	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2941	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2942	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2943	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2944	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2945	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2947	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2948	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2949	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R2950	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2951	ERJ3GEYJ153	M 15K OHM J 1/16W	1	
R2952	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R2953	ERJ3GEYJ820	M 82 OHM J 1/16W	1	
R2954	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2955	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R2956	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R2957	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R2958	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2959	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R2960	ERJ6GEYJ471	M 470 OHM J 1/10W	1	
R2961	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2963	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R2964	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R2965	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R2966	ERJ6GEYJ472	M 4.7KOHM J 1/10W	1	
R2967	ERJ6GEYJ471	M 470 OHM J 1/10W	1	
R2968	ERJ6GEYJ104	M 100KOHM J 1/10W	1	
R2972	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R2973	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3005	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3006	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3007	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3008	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3009	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3010	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3011	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3012	ERJ3GEYJ104	M 100KOHM J 1/16W	1	
R3013	ERJ3GEYJ100	M 10 OHM J 1/16W	1	
R3014	ERJ3GEYJ100	M 10 OHM J 1/16W	1	
R3015	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3016	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3017	ERJ3GEYJ100	M 10 OHM J 1/16W	1	
R3019	ERJ3GEYJ100	M 10 OHM J 1/16W	1	
R3022	ERJ3GEYJ104	M 100KOHM J 1/16W	1	
R3024	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3025	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3026	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3027	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3029	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3030	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3031	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3032	ERJ3GEYJ473	M 47K OHM J 1/16W	1	
R3033	ERJ3EKF1200	M 120 OHM 0.063W	1	
R3034	ERJ3EKF1200	M 120 OHM 0.063W	1	
R3035	ERJ3EKF4700	M 470 OHM 0.063W	1	
R3036	ERJ3EKF4700	M 470 OHM 0.063W	1	
R3037	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3038	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3039	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3040	ERJ3GEYJ153	M 15K OHM J 1/16W	1	
R3041	ERJ3GEYJ152	M 1.5KOHM J 1/16W	1	
R3042	ERJ3GEYJ105	M 1M OHM J 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3043	ERJ3GEYJ271	M 270 OHM J 1/16W	1	
R3044	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3045	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3046	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3047	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3048	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3049	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3050	ERJ3EKF47R0	M 47 OHM 0.063W	1	
R3051	EXB38VR000	RESISTOR ARRAY	1	
R3052	ERJ3EKF47R0	M 47 OHM 0.063W	1	
R3053	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3054	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3056	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3057	ERJ3EKF47R0	M 47 OHM 0.063W	1	
R3058	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3059	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3060	EXB38VR000	RESISTOR ARRAY	1	
R3061	EXB38VR000	RESISTOR ARRAY	1	
R3062	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3063	EXB38VR000	RESISTOR ARRAY	1	
R3064	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3065	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3066	EXB38VR000	RESISTOR ARRAY	1	
R3067	EXB38VR000	RESISTOR ARRAY	1	
R3068	EXB38V330J	RESISTOR ARRAY	1	
R3069	EXB38V330J	RESISTOR ARRAY	1	
R3070	EXB38VR000	RESISTOR ARRAY	1	
R3072	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3073	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3074	EXB38V330J	RESISTOR ARRAY	1	
R3075	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3076	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3077	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3079	EXB38V330J	RESISTOR ARRAY	1	
R3080	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3081	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3082	EXB38V330J	RESISTOR ARRAY	1	
R3083	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3084	ERJ3GEYJ391	M 390 OHM J 1/16W	1	D0GB391JA002
R3085	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3086	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3087	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3088	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3089	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3092	ERJ3GEYJ391	M 390 OHM J 1/16W	1	D0GB391JA002
R3093	ERJ3GEYJ272	M 2.7KOHM J 1/16W	1	
R3094	ERJ3GEYJ301	M 300 OHM J 1/16W	1	
R3095	ERJ3GEYJ272	M 2.7KOHM J 1/16W	1	
R3097	ERJ3GEYJ561	M 560 OHM J 1/16W	1	
R3098	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3099	ERJ3GEYJ151	M 150 OHM J 1/16W	1	
R3101	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3102	ERJ3GEYJ823	M 82KOHM J 1/16W	1	
R3103	ERJ3GEYJ103	M 10K OHM J 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3104	ERJ3GEYJ301	M 300 OHM J 1/16W	1	
R3105	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3106	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3107	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3108	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3110	ERJ3GEYJ473	M 47K OHM J 1/16W	1	
R3111	ERJ3GEYJ473	M 47K OHM J 1/16W	1	
R3112	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3113	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3114	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3115	ERJ3GEYJ104	M 100KOHM J 1/16W	1	
R3116	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3117	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3118	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3119	ERJ3GEYJ222	M 2.2KOHM J 1/16W	1	
R3120	ERJ3GEYJ222	M 2.2KOHM J 1/16W	1	
R3121	ERJ3GEYJ222	M 2.2KOHM J 1/16W	1	
R3122	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3123	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3124	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3125	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3126	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3127	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3128	ERJ3GEYJ102	M 1KOHM J 1/16W	1	
R3129	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3130	ERJ3GEYJ102	M 1KOHM J 1/16W	1	
R3131	ERJ3GEYJ122	M 1.2KOHM J 1/16W	1	
R3132	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3133	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3134	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3135	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3136	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3137	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3138	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3139	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3140	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3141	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3142	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3143	ERJ3GEYJ102	M 1KOHM J 1/16W	1	
R3144	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3145	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3146	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3147	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3148	ERJ3GEYJ102	M 1KOHM J 1/16W	1	
R3149	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3150	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3151	ERJ3GEYJ104	M 100KOHM J 1/16W	1	
R3152	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3153	ERJ3GEYJ104	M 100KOHM J 1/16W	1	
R3154	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3155	ERJ3GEYJ104	M 100KOHM J 1/16W	1	
R3156	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3157	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3158	ERJ3EKF1500	M 150 OHM 0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3159	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3160	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3161	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3162	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3163	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3164	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3165	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3166	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3167	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3168	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3169	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3170	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3171	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3172	ERJ3EKF2001	M 2K OHM 0.063W	1	
R3173	ERJ3EKF1001	M 1K OHM 0.063W	1	
R3174	ERJ3EKF2001	M 2K OHM 0.063W	1	
R3175	ERJ3EKF1001	M 1K OHM 0.063W	1	
R3176	ERJ3EKF2001	M 2K OHM 0.063W	1	
R3177	ERJ3EKF1001	M 1K OHM 0.063W	1	
R3178	ERJ3GEYJ222	M 2.2KOHM J 1/16W	1	
R3179	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3180	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3181	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3182	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3183	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3184	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3185	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3186	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3187	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3188	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3189	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3190	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3191	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3192	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3193	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3194	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3195	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3196	ERJ3EKF2001	M 2K OHM 0.063W	1	
R3197	ERJ3EKF2001	M 2K OHM 0.063W	1	
R3198	ERJ3EKF2001	M 2K OHM 0.063W	1	
R3202	ERJ3GEYJ3R3	M 3.3 OHM J 1/16W	1	
R3203	ERJ3GEYJ3R3	M 3.3 OHM J 1/16W	1	
R3204	ERJ3GEYJ3R3	M 3.3 OHM J 1/16W	1	
R3205	ERJ3GEYJ3R3	M 3.3 OHM J 1/16W	1	
R3206	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3207	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3208	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3209	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3210	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3211	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3212	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3213	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3214	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3215	ERJ3GEYJ103	M 10K OHM J 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3216	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3217	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3218	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3219	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3220	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3221	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3222	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3223	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3225	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3226	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3227	ERJ3GEYJ102	M 1KOHM J 1/16W	1	
R3228	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3229	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3230	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3231	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3232	ERJ3GEYJ102	M 1KOHM J 1/16W	1	
R3236	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3237	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3238	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3239	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3240	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3241	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3242	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3243	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3244	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3245	ERJ3EKF1500	M 150 OHM 0.063W	1	
R3246	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3247	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3248	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3249	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3250	ERJ3GEYJ222	M 2.2KOHM J 1/16W	1	
R3251	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3252	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3253	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3254	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3255	ERJ3GEYJ3R3	M 3.3 OHM J 1/16W	1	
R3256	ERJ3GEYJ3R3	M 3.3 OHM J 1/16W	1	
R3257	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3258	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3259	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3261	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3262	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3263	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3264	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3267	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3268	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3269	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3270	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3271	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3273	ERJ3GEYJ3R3	M 3.3 OHM J 1/16W	1	
R3274	ERJ3GEYJ3R3	M 3.3 OHM J 1/16W	1	
R3275	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3276	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3277	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3278	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3280	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3281	ERJ3GEYJ223	M 22K OHM J 1/16W	1	
R3282	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3283	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3284	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3285	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3286	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3287	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3288	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3289	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3290	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3291	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3292	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3293	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3294	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3296	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3297	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3299	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3300	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3301	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3302	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R3303	ERJ3GEYJ562	M 5.6KOHM J 1/16W	1	
R3304	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R3305	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R3306	ERJ3GEYJ562	M 5.6KOHM J 1/16W	1	
R3307	ERJ3GEYJ332	M 3.3KOHM J 1/16W	1	
R3308	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3310	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3311	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3313	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3314	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3315	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3316	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3317	ERJ3GEYJ561	M 560 OHM J 1/16W	1	
R3318	ERJ3GEYJ561	M 560 OHM J 1/16W	1	
R3319	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3320	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3323	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3324	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3325	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3326	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3327	EXB38V330J	RESISTOR ARRAY	1	
R3328	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3329	ERJ3GEYJ561	M 560 OHM J 1/16W	1	
R3330	ERJ3GEYJ561	M 560 OHM J 1/16W	1	
R3333	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3335	ERJ3GEYJ101	M 100 OHM J 1/16W	1	
R3336	ERJ3GEYJ101	M 100 OHM J 1/16W	1	
R3337	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3338	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3339	ERJ3EKF6981	M6.98KOHM 0.063W	1	
R3340	ERJ3EKF7501	M 7.5KOHM 0.063W	1	
R3341	ERJ3GEYJ221	M 220 OHM J 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3342	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3343	ERJ3GEYJ221	M 220 OHM J 1/16W	1	
R3344	EXB38V330J	RESISTOR ARRAY	1	
R3345	ERJ3EKF3301	M 3.3KOHM 0.063W	1	
R3346	ERJ3EKF4121	M4.12KOHM 0.063W	1	
R3347	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3348	ERJ3EKF3901	M 3.9KOHM 0.063W	1	
R3349	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3350	EXB38V330J	RESISTOR ARRAY	1	
R3351	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3352	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3353	EXB38V330J	RESISTOR ARRAY	1	
R3354	EXB38V330J	RESISTOR ARRAY	1	
R3355	ERJ3GEYJ104	M 100KOHM J 1/16W	1	
R3356	ERJ3EKF3901	M 3.9KOHM 0.063W	1	
R3357	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3358	ERJ3EKF3301	M 3.3KOHM 0.063W	1	
R3359	EXB38V330J	RESISTOR ARRAY	1	
R3360	EXB38V330J	RESISTOR ARRAY	1	
R3361	ERJ3EKF4701	M 4.7KOHM 0.063W	1	
R3362	EXB38V330J	RESISTOR ARRAY	1	
R3363	EXB38V330J	RESISTOR ARRAY	1	
R3364	EXB38V330J	RESISTOR ARRAY	1	
R3365	EXB38V330J	RESISTOR ARRAY	1	
R3366	EXB38V330J	RESISTOR ARRAY	1	
R3367	EXB38V330J	RESISTOR ARRAY	1	
R3369	ERJ3GEYJ183	M 18K OHM J 1/16W	1	
R3370	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3371	ERJ3EKF1582	M15.8KOHM 0.063W	1	
R3372	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3373	ERJ3EKF1582	M15.8KOHM 0.063W	1	
R3374	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3376	ERJ3GEYJ182	M 1.8KOHM J 1/16W	1	
R3377	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3378	ERJ3GEYJ182	M 1.8KOHM J 1/16W	1	
R3379	ERJ3GEYJ272	M 2.7KOHM J 1/16W	1	
R3380	ERJ3GEYJ182	M 1.8KOHM J 1/16W	1	
R3381	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3382	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3383	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3384	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3385	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3386	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3389	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3390	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3391	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3392	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3393	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3394	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3395	ERJ3GEYJ681	M 680 OHM J 1/16W	1	
R3397	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3398	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3399	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3402	ERJ3GEY0R00	M 0 OHM 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3403	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3404	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3405	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3406	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3407	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3408	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3409	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3411	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3412	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3413	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3414	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3415	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3416	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3417	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3418	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3420	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3431	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3432	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3433	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3434	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3435	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3436	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3437	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3438	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3440	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3441	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3442	ERJ3GEYJ393	M 39K OHM J 1/16W	1	
R3443	ERJ3GEYJ393	M 39K OHM J 1/16W	1	
R3444	ERJ3GEYJ393	M 39K OHM J 1/16W	1	
R3445	ERJ3GEYJ393	M 39K OHM J 1/16W	1	
R3447	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3448	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3449	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3450	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3451	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3452	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3453	EXB38V330J	RESISTOR ARRAY	1	
R3454	EXB38V330J	RESISTOR ARRAY	1	
R3455	EXB38V330J	RESISTOR ARRAY	1	
R3457	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3458	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3459	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3460	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3461	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3463	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3464	ERJ3GEYJ102	M 1K OHM J 1/16W	1	
R3469	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3470	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3471	ERJ3GEYJ472	M 4.7KOHM J 1/16W	1	
R3472	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3473	ERJ3GEYJ331	M 330 OHM J 1/16W	1	
R3474	ERJ3GEYJ471	M 470 OHM J 1/16W	1	
R3475	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3476	ERJ3GEY0R00	M 0 OHM 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3477	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3478	EXB38V330J	RESISTOR ARRAY	1	
R3479	EXB38V330J	RESISTOR ARRAY	1	
R3480	EXB38V330J	RESISTOR ARRAY	1	
R3481	EXB38V330J	RESISTOR ARRAY	1	
R3482	EXB38V330J	RESISTOR ARRAY	1	
R3483	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3484	EXB38V330J	RESISTOR ARRAY	1	
R3485	EXB38V330J	RESISTOR ARRAY	1	
R3486	EXB38V330J	RESISTOR ARRAY	1	
R3487	EXB38V330J	RESISTOR ARRAY	1	
R3488	EXB38V330J	RESISTOR ARRAY	1	
R3489	EXB38V330J	RESISTOR ARRAY	1	
R3490	EXB38V330J	RESISTOR ARRAY	1	
R3491	EXB38V330J	RESISTOR ARRAY	1	
R3492	EXB38V330J	RESISTOR ARRAY	1	
R3493	EXB38V330J	RESISTOR ARRAY	1	
R3494	EXB38V330J	RESISTOR ARRAY	1	
R3495	EXB38V330J	RESISTOR ARRAY	1	
R3496	EXB38V330J	RESISTOR ARRAY	1	
R3497	ERJ3GEYJ220	M 22 OHM J 1/16W	1	
R3498	EXB38V330J	RESISTOR ARRAY	1	
R3499	ERJ3GEY0R00	M 0 OHM 1/16W	1	
R3500	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3501	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3502	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3503	ERJ3GEYJ103	M 10K OHM J 1/16W	1	
R3504	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3505	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3506	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3507	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3508	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R3509	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3510	ERJ3GEYJ101	M 100 OHM J 1/16W	1	D0GB101JA002
R3511	ERJ3GEYJ563	M 56KOHM J 1/16W	1	
R3512	ERJ3GEYJ563	M 56KOHM J 1/16W	1	
R3513	ERJ3GEYJ563	M 56KOHM J 1/16W	1	
R3514	ERJ3GEYJ330	M 33 OHM J 1/16W	1	
R9001	ERC12UGK105	M 1M OHM 1/2W	1	⚠
R9002	ERC12UGK105	M 1M OHM 1/2W	1	⚠
R9003	ERC12UGK105	M 1M OHM 1/2W	1	⚠
R9004	ERC12UGK105	M 1M OHM 1/2W	1	⚠
R9005	ERC12UGK105	M 1M OHM 1/2W	1	⚠
R9006	ERC12UGK105	M 1M OHM 1/2W	1	⚠
R9007	ERC12UGK105	M 1M OHM 1/2W	1	⚠
R9901	ERJ6ENF5601	M 5.6KOHM 1/10W	1	
R9902	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R9903	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R9904	ERJ6ENF2201	M 2.2KOHM 1/10W	1	
R9905	ERJ6ENF3301	M 3.3KOHM 1/10W	1	
R9906	ERJ6ENF6801	M 6.8KOHM 1/10W	1	
R9907	ERJ6ENF3302	M 33KOHM 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9908	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R9909	ERJ6ENF5601	M 5.6KOHM 1/10W	1	
R9910	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R9911	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R9912	ERJ6ENF2201	M 2.2KOHM 1/10W	1	
R9913	ERJ6ENF3301	M 3.3KOHM 1/10W	1	
R9914	ERJ6ENF6801	M 6.8KOHM 1/10W	1	
R9915	ERJ6ENF3302	M 33KOHM 1/10W	1	
R9916	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R9917	ERJ6ENF5601	M 5.6KOHM 1/10W	1	
R9918	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R9919	ERJ6ENF1501	M 1.5KOHM 1/10W	1	
R9920	ERJ6ENF2201	M 2.2KOHM 1/10W	1	
R9921	ERJ6ENF3301	M 3.3KOHM 1/10W	1	
R9922	ERJ6ENF6801	M 6.8KOHM 1/10W	1	
R9923	ERJ6ENF3302	M 33KOHM 1/10W	1	
R9924	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R9952	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R9953	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R9955	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R9956	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R9958	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R9959	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R9960	ERJ6GEYJ222	M 2.2KOHM J 1/10W	1	
R9961	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R9962	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R9963	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R9964	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R9965	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R9966	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R9967	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R9968	ERJ6GEYJ221	M 220 OHM J 1/10W	1	
R9969	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R9970	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R9971	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R9972	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
R9973	ERJ6GEYJ101	M 100 OHM J 1/10W	1	
R9974	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R9975	ERJ6GEYJ102	M 1KOHM J 1/10W	1	
R9976	ERJ6GEYJ103	M 10KOHM J 1/10W	1	
		[CAPACITORS]		
C0103	ECKDNA222ME	C 2200PF M	1	
C0104	ECJ2XC1H152J	C 1500PF J 50V	1	
C0105	ECA1HHG101	E 100UF 50V	1	
C0106	ECJ2XF1E224Z	C 0.22UF Z 25V	1	
C0107	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0108	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0109	ECKDNA222ME	C 2200PF M	1	
C0110	F0C2G225A020	CAPACITOR	1	
C0112	ECJ2XC1H101J	C 100PF J 50V	1	
C0113	ECJ2XC1H102J	C 1000PF J 50V	1	
C0118	ECJ2XC1H102J	C 1000PF J 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C0119	ECKD3A101KBP	C 100PF K 1KV	1	
C0120	ECKD3A101KBP	C 100PF K 1KV	1	
C0121	ECKD3A471KBP	C 470PF K 1KV	1	
C0124	EETED2W471L	E 470UF 450V	1	
C0125	ECQE6473KF	P 0.47UF K 630V	1	
C0126	EETED2W471L	E 470UF 450V	1	
C0131	ECJ2XF1C105Z	C 1UF Z 16V	1	
C0133	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0134	F0C2G475A020	CAPACITOR	1	
C0135	ECJ2XB1H103K	C 0.01UF K 50V	1	
C0136	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0137	ECJ2XC1H102J	C 1000PF J 50V	1	
C0138	ECA2WM3R3	E 3.3UF 450V	1	
C0139	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0401	ECQE6473KFB	CAPACITOR	1	
C0402	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0403	EEUFC1E221	E 220UF 25V	1	
C0404	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0405	EEUFC1V151	E 150UF 35V	1	
C0406	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0407	ECJ2XF1H103Z	C 0.01UF Z 50V	1	
C0408	ECA1EHG101	E 100UF 25V	1	
C0409	ECJ2XC1H471J	C 470PF J 50V	1	
C0410	ECKD3A102KBP	C 1000PF K 1KV	1	
C0411	ECJ2XC1H122J	C 1200PF J 50V	1	
C0412	ECJ2XB1H103K	C 0.01UF K 50V	1	
C0413	EEUFC1V151	E 150UF 35V	1	
C0414	ECWH10153JVB	CAPACITOR	1	
C0415	ECKCNA102MBB	C 1000PF M	1	⚠
C0418	ECJ2XC1H102J	C 1000PF J 50V	1	
C0420	ECJ2XC1H102J	C 1000PF J 50V	1	
C0422	ECJ2XC1H102J	C 1000PF J 50V	1	
C0423	ECJ2XC1H102J	C 1000PF J 50V	1	
C0424	ECJ2XC1H102J	C 1000PF J 50V	1	
C0425	EEUFC1E472	E 4700PF 25V	1	
C0427	ECJ2XC1H102J	C 1000PF J 50V	1	
C0429	ECJ2XC1H102J	C 1000PF J 50V	1	
C0430	ECJ2XC1H102J	C 1000PF J 50V	1	
C0432	EEUFC1E472	E 4700PF 25V	1	
C0434	EEUFC1E272	E 2700UF 25V	1	
C0435	EEUFC1H221	E 220UF 50V	1	
C0436	EEUFC1E472	E 4700PF 25V	1	
C0439	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0440	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0442	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0443	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0444	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0445	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0446	EEUFC1A470	E 47PF 10V	1	
C0449	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0450	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0451	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0454	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0455	EEUFC1E470	E 47PF 25V	1	

[illegible]	[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C0456	EEUFC1E472	E 4700PF 25V	1	
C0457	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0458	EEUFC1E101S	E 100PF 25V	1	
C0459	EEUFC1E101S	E 100PF 25V	1	
C0460	ECJ2XF1C105Z	C 1UF Z 16V	1	
C0461	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C0462	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C701	ECA1EM471	E 470UF 25V	1	
C703	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C704	ECJ2XF1C104Z	C 0.1UD Z 16V	1	
C705	ECA1CM471	E 470UF 16V	1	
C706	ECA1CM471	E 470UF 16V	1	
C707	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C709	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C710	EEUFC1C471	E 470PF 16V	1	
C711	ECJ2XF1C105Z	C 1UF Z 16V	1	
C712	ECJ2XF1C105Z	C 1UF Z 16V	1	
C713	ECA1VM221	E 220UF 35V	1	
C714	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C715	EEUFC1C471	E 470PF 16V	1	
C716	ECA1VM221	E 220UF 35V	1	
C717	ECA1VM470	E 47UF 35V	1	
C719	ECJ2XF1C105Z	C 1UF Z 16V	1	
C720	ECJ2XF1C105Z	C 1UF Z 16V	1	
C721	ECJ2XF1C105Z	C 1UF Z 16V	1	
C722	ECJ2XF1C105Z	C 1UF Z 16V	1	
C723	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C724	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C725	ECJ2XB1H103K	C 0.01UF K 50V	1	
C728	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C729	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C730	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C731	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C735	ECA1VM221	E 220UF 35V	1	
C736	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C738	ECJ2XF1C105Z	C 1UF Z 16V	1	
C801	ECA1CM471	E 470UF 16V	1	
C802	ECA1CM221	E 220UF 16V	1	
C803	ECJ2XB1H103K	C 0.01UF K 50V	1	
C804	ECA1CM471	E 470UF 16V	1	
C805	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C807	ECJ2XF1C105Z	C 1UF Z 16V	1	
C808	ECJ2XB1C104K	C 0.1UF K 16V	1	
C809	ECJ2XF1C105Z	C 1UF Z 16V	1	
C811	ECJ2XB1H103K	C 0.01UF K 50V	1	
C812	ECJ2XB1C104K	C 0.1UF K 16V	1	
C813	ECJ2XB1H103K	C 0.01UF K 50V	1	
C814	ECJ2XB1H103K	C 0.01UF K 50V	1	
C815	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C817	ECJ2XB1C104K	C 0.1UF K 16V	1	
C818	ECJ2XF1C105Z	C 1UF Z 16V	1	
C819	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C820	ECJ2XB1H103K	C 0.01UF K 50V	1	
C821	ECJ2XB1H103K	C 0.01UF K 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C822	ECJ2XB1H103K	C 0.01UF K 50V	1	
C823	ECJ2XB1C104K	C 0.1UF K 16V	1	
C824	ECJ2XB1H103K	C 0.01UF K 50V	1	
C825	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C826	ECJ2XF1C105Z	C 1UF Z 16V	1	
C828	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1001	EEUFC1E272	E 2700UF 25V	1	
C1002	EEUFC1E470	E 47PF 25V	1	
C1003	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1004	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1005	EEUFC1E102	E 1000UF 25V	1	
C1006	EEUFC1E470	E 47PF 25V	1	
C1007	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1009	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1010	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1013	ECJ2XC1H680J	C 68PF J 50V	1	
C1014	ECJ2XC1H560J	C 56PF J 50V	1	
C1015	ECJ2XB1H102J	C 1000PF J 50V	1	
C1016	ECJ2XB1H102J	C 1000PF J 50V	1	
C1018	ECJ2XF1E224Z	C 0.22UF Z 25V	1	
C1019	ECJ2XC1H471J	C 470PF J 50V	1	
C1020	ECJ2XC1H471J	C 470PF J 50V	1	
C1021	ECJ2XC1H221J	C 220PF J 50V	1	
C1022	ECJ2XC1H221J	C 220PF J 50V	1	
C1024	ECJ2XC1H102J	C 1000PF J 50V	1	
C1025	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1026	EEUFC1E272	E 2700UF 25V	1	
C1027	EEUFC1E101S	E 100PF 25V	1	
C1028	ECJ2XF1E224Z	C 0.22UF Z 25V	1	
C1029	ECJ2XF1E224Z	C 0.22UF Z 25V	1	
C1031	EEUFC1E272	E 2700UF 25V	1	
C1032	ECJ2XB1H103K	C 0.01UF K 50V	1	
C1033	EEUFC1E272	E 2700UF 25V	1	
C1034	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1035	EEUFC1E272	E 2700UF 25V	1	
C1036	EEUFC1E272	E 2700UF 25V	1	
C1037	ECJ2XF1E224Z	C 0.22UF Z 25V	1	
C1038	ECJ2XF1E224Z	C 0.22UF Z 25V	1	
C1039	ECJ2XC1H222J	C 220PF J 50V	1	
C1040	ECJ2XF1E224Z	C 0.22UF Z 25V	1	
C1041	ECJ2XF1E224Z	C 0.22UF Z 25V	1	
C1042	EEFCD0K330R	E 33UF 8V	1	
C1043	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1044	ECJ3XF1C475Z	C 4.7UF Z 16V	1	
C1045	ECJ3XF1C475Z	C 4.7UF Z 16V	1	
C1046	ECJ2XF1C474Z	C 0.47UF Z 16V	1	
C1047	ECJ2XF1C474Z	C 0.47UF Z 16V	1	
C1048	ECJ2XB1H103K	C 0.01UF K 50V	1	
C1051	ECJ2XC1H102J	C 1000PF J 50V	1	
C1052	ECJ2XF1H473Z	C 0.047UF Z 50V	1	
C1053	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1054	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1057	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1058	ECJ2XC1H221J	C 220PF J 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1060	ECJ2XC1H221J	C 220PF J 50V	1	
C1062	EEFUD0J101R	E 100UF 6.3V	1	
C1063	EEFUD0J101R	E 100UF 6.3V	1	
C1064	EEFUD0J101R	E 100UF 6.3V	1	
C1065	EEFUD0J101R	E 100UF 6.3V	1	
C1068	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1069	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1070	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1071	EEFUD0J101R	E 100UF 6.3V	1	
C1072	EEFUD0J101R	E 100UF 6.3V	1	
C1073	EEFUD0J101R	E 100UF 6.3V	1	
C1074	EEFUD0J101R	E 100UF 6.3V	1	
C1075	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1076	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1077	ECJ2XB1H103K	C 0.01UF K 50V	1	
C1081	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1082	EEUFC1E101S	E 100PF 25V	1	
C1083	EEUFC1E101S	E 100PF 25V	1	
C1084	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1085	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1086	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1087	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1088	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1089	ECJ2XF1C105Z	C 1UF Z 16V	1	
C1090	EEUFC1E101S	E 100PF 25V	1	
C1091	EEUFC1E101S	E 100PF 25V	1	
C1092	EEFCD0K330R	E 33UF 8V	1	
C1093	EEFCD0K330R	E 33UF 8V	1	
C1094	EEUFC1E102	E 1000UF 25V	1	
C1095	ECA1HM100	E 10UF 50V	1	
C1096	ECJ2XB1H103K	C 0.01UF K 50V	1	
C1097	ECA1HM010	E 1UF 50V	1	
C1098	ECJ2XF1H104Z	C 0.1UF Z 50V	1	
C1099	ECA1HM100	E 10UF 50V	1	
C2001	EEVHB1C470	E 47UF 16V	1	
C2002	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2003	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2004	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2005	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2006	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2007	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2008	ECJ1XF1A105Z	C 100UF 10V	1	
C2009	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2010	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2011	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2012	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2013	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2014	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2015	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2016	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2017	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2018	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2019	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2020	ECJ1XF1C104Z	C 0.1UF Z 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2021	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2022	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2023	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2024	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2025	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2026	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2027	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2028	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2029	EEVHB0G221	E 220UF 4V	1	
C2030	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2031	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2032	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2033	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2034	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2035	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2036	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2037	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2038	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2039	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2040	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2041	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2042	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2043	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2044	EEVHB0G221	E 220UF 4V	1	
C2045	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2046	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2047	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2048	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2049	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2050	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2051	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2052	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2053	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2054	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2055	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2056	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2057	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2058	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2059	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2060	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2061	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2062	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2063	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2065	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2066	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2067	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2068	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2069	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2070	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2071	ECUX1H120JCV	C 12PF 50V	1	
C2072	ECUX1H120JCV	C 12PF 50V	1	
C2073	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2074	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2075	ECJ1XF1A105Z	C 1UF Z 10V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2076	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2077	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2078	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2079	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2080	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2081	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2082	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2083	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2084	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2085	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2086	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2087	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2088	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2089	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2090	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2091	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2092	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2093	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2094	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2095	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2096	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2097	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2098	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2099	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2100	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2101	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2102	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2103	EEVHB0G221	E 220UF 4V	1	
C2104	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2105	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2106	ECUX1H682KBV	C 6800PF Z 50V	1	
C2107	ECJ2XB1C334K	C 0.33UF K 16V	1	
C2108	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2109	EEVHB0G221	E 220UF 4V	1	
C2110	EEVHB0G221	E 220UF 4V	1	
C2111	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2112	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2113	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2114	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2115	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2116	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2117	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2118	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2119	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2120	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2121	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2122	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2123	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2124	ECJ1XC1H471J	C 470PF J 50V	1	
C2125	EEVHB0G221	E 220UF 4V	1	
C2126	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2127	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2128	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2129	ECJ2XF1C105Z	C 1UF Z 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2130	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2131	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2132	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2133	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2134	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2135	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2136	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2137	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2138	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2139	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2140	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2141	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2142	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2143	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2144	ECUX1H682KBV	C 6800PF Z 50V	1	
C2145	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2146	EEVHB0G221	E 220UF 4V	1	
C2147	ECJ2XB1C334K	C 0.33UF K 16V	1	
C2148	EEVHB0G221	E 220UF 4V	1	
C2149	ECJ1XC1H180J	C 180PF J 50V	1	
C2150	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2151	ECJ1XC1H150J	C 15PF J 50V	1	
C2152	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2153	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2154	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2155	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2156	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2157	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2158	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2159	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2160	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2161	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2162	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2163	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2164	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2165	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2166	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2167	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2168	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2169	ECJ2XF1H473Z	C 0.047UF Z 50V	1	
C2170	EEVHB0J470	E 47UF 6.3V	1	
C2171	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2172	EEVHB0J470	E 47UF 6.3V	1	
C2175	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2176	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2177	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2178	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2179	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2180	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2181	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2182	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2183	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2184	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2185	ECJ1XF1C104Z	C 0.1UF Z 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2186	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2187	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2188	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2189	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2190	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2191	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2192	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2193	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2194	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2195	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2196	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2197	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2198	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2199	ECJ1XC1H471J	C 470PF J 50V	1	
C2200	EEVHB0G221	E 220UF 4V	1	
C2201	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2202	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2203	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2204	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2205	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2206	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2207	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2208	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2209	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2210	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2211	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2212	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2213	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2214	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2215	ECJ1XB1H103K	C 0.01UF K 50V	1	
C2216	EEVHB0G221	E 220UF 4V	1	
C2217	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2218	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2219	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2220	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2221	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2222	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2223	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2224	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2225	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2226	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2227	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2228	EEVHB0G221	E 220UF 4V	1	
C2229	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2230	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2231	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2232	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2233	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2234	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2235	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2236	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2237	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2238	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2239	ECJ1XF1C104Z	C 0.1UF Z 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2240	ECJ1XF1H103Z	C 0.01UF Z 50V	1	
C2241	EEVHB0G221	E 220UF 4V	1	
C2242	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2243	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2244	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2245	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2246	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2247	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2248	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2249	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2250	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2251	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2252	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2253	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2254	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2255	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2256	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2257	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2258	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2259	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2260	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2261	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2262	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2263	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2264	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2265	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2266	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2267	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2268	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2269	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2270	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2271	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2272	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2273	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2274	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2275	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2276	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2277	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2278	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2279	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2280	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2281	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2282	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2283	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2284	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2285	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2286	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2287	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2288	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2289	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2290	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2291	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2292	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2293	EEVHB0G221	E 220UF 4V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2294	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2295	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2296	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2297	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2298	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2299	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2300	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2301	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2302	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2303	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2304	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2306	EEVHB0J470	E 47UF 6.3V	1	
C2307	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2308	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2309	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2310	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2311	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2313	EEVHB0G221	E 220UF 4V	1	
C2314	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2315	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2316	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2317	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2318	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2319	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2320	ECJ1XF1A105Z	C 1UF Z 10V	1	
C2321	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2322	EEVHB1C100	E 10UF 16V	1	
C2324	EEVHB0G221	E 220UF 4V	1	
C2325	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2326	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2327	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2328	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2329	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2330	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2331	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2332	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2333	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2334	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2335	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2336	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2337	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2338	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2339	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2340	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2344	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2345	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2346	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2347	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2348	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2349	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2350	ECJ1XC1H680J	C 68PF J 50V	1	
C2351	ECJ1XC1H680J	C 68PF J 50V	1	
C2352	ECJ1XC1H680J	C 68PF J 50V	1	
C2353	ECJ1XF1H103Z	C 0.01UF Z 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2354	ECJ1XC1H471J	C 470PF J 50V	1	
C2355	ECJ1XC1H471J	C 470PF J 50V	1	
C2356	ECJ1XC1H471J	C 470PF J 50V	1	
C2357	ECJ1XC1H471J	C 470PF J 50V	1	
C2358	ECJ1XC1H471J	C 470PF J 50V	1	
C2600	EEVHB1C470	E 47UF 16V	1	
C2601	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2602	EEVHB0J101	E 100UF 6.3V	1	EEVHB0J101P
C2603	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2604	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2605	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2606	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2607	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2608	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2609	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2610	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2611	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2612	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2613	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2614	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2615	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2616	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2618	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2619	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2620	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2621	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2622	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2623	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2624	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2625	ECJ3XF1C475Z	C 4.7UF Z 16V	1	
C2626	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2627	ECJ1XC1H101J	C 100PF J 50V	1	
C2628	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2629	EEVHB0J470	E 47UF 6.3V	1	
C2630	ECJ1XC1H101J	C 100PF J 50V	1	
C2631	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2632	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2633	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2634	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2635	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2636	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2637	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2638	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2639	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2640	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2642	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2643	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2644	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2645	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2646	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2647	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2648	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2649	EEVHB0J470	E 47UF 6.3V	1	
C2651	ECJ1XF1C104Z	C 0.1UF Z 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2652	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2653	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2654	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2655	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2656	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2657	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2658	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2659	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2660	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2661	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2662	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2663	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2664	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2665	ECJ2XC1H471J	C 470PF J 50V	1	
C2666	ECJ2XC1H471J	C 470PF J 50V	1	
C2667	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2668	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2669	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2670	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2671	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2672	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2673	EEVHB0J470	E 47UF 6.3V	1	
C2674	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2675	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2676	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2677	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2678	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2679	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2680	ECJ1XC1H101J	C 100PF J 50V	1	
C2681	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2682	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2683	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2684	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2685	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2686	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2687	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2689	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2690	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2691	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2692	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2693	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2694	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2695	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2696	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2697	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2698	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2699	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2700	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2701	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2702	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2703	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2704	EEVHB1C470	E 47UF 16V	1	
C2705	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2706	ECJ1XF1C104Z	C 0.1UF Z 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2707	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2708	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2709	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2710	ECJ2XF1H103Z	C 0.01UF Z 50V	1	
C2711	ECJ2XF1H103Z	C 0.01UF Z 50V	1	
C2712	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2713	ECJ1XC1H150J	C 15PF J 50V	1	
C2714	ECJ1XC1H150J	C 15PF J 50V	1	
C2715	EEVHB0G221	E 220UF 4V	1	
C2716	ECJ2XF1H103Z	C 0.01UF Z 50V	1	
C2717	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2718	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2719	ECJ1XC1H150J	C 15PF J 50V	1	
C2720	ECJ1XC1H150J	C 15PF J 50V	1	
C2721	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2722	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2723	EEVHB0J470	E 47UF 6.3V	1	
C2724	EEVHB0J470	E 47UF 6.3V	1	
C2725	EEVHB1C470	E 47UF 16V	1	
C2726	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2727	ECJ2XF1C105Z	C 1UF Z 16V	1	
C2728	ECJ2XF1H103Z	C 0.01UF Z 50V	1	
C2729	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2730	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2731	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2732	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2733	ECJ1XF1C104Z	C 0.1UF Z 16V	1	
C2734	ECJ2XF1H103Z	C 0.01UF Z 50V	1	
C2735	ECJ2XF1H103Z	C 0.01UF Z 50V	1	
C3001	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3002	ECA1AHG102	E 1000PF 10V	1	
C3003	ECA1HEN4R7	E 4.7UF 50V	1	
C3004	ECA1HEN4R7	E 4.7UF 50V	1	
C3005	ECA1HEN4R7	E 4.7UF 50V	1	
C3006	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3007	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3008	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3009	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3010	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3011	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3012	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3013	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3014	ECA1EHG101	E 100UF 25V	1	
C3015	ECA1EHG101	E 100UF 25V	1	
C3016	ECA1HEN010	E 1UF 50V	1	
C3017	ECA1EHG101	E 100UF 25V	1	
C3018	ECA1EHG101	E 100UF 25V	1	
C3019	ECJ1XC1H180J	C 180PF J 50V	1	
C3020	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3021	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3022	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3023	ECJ1XC1H150J	C 15PF J 50V	1	
C3024	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3025	ECA1EHG101	E 100UF 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3026	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3027	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3028	ECA1EHG101	E 100UF 25V	1	
C3029	ECJ1XC1H471J	C 470PF J 50V	1	
C3030	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3031	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3032	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3033	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3034	ECA1EHG101	E 100UF 25V	1	
C3035	ECJ1XF1A105Z	C 1UF Z 10V	1	
C3036	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3037	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3038	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3039	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3040	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3041	ECA1EHG101	E 100UF 25V	1	
C3042	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3043	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3044	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3045	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3046	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3047	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3048	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3049	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3050	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3051	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3052	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3053	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3054	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3055	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3056	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3057	ECJ1XB1H472K	C 4700PF K 50V	1	
C3058	ECJ3XF1C475Z	C 4.7UF Z 16V	1	
C3059	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3060	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3061	ECA1EHG101	E 100UF 25V	1	
C3062	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3063	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3064	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3065	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3066	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3067	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3068	ECA1EHG101	E 100UF 25V	1	
C3069	ECJ1XC1H330J	C 33PF J 50V	1	
C3070	ECA1EHG101	E 100UF 25V	1	
C3071	ECJ1XF1A105Z	C 1UF Z 10V	1	
C3072	ECJ1XF1A105Z	C 1UF Z 10V	1	
C3073	ECJ1XC1H101J	C 100PF J 50V	1	
C3074	ECJ1XF1A105Z	C 1UF Z 10V	1	
C3075	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3076	ECJ1XC1H680J	C 68PF J 50V	1	
C3077	ECA1EHG101	E 100UF 25V	1	
C3078	ECJ1XC1H330J	C 33PF J 50V	1	
C3079	ECJ1XF1E104Z	C 0.1UF Z 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3080	ECA1EHG101	E 100UF 25V	1	
C3081	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3082	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3083	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3084	ECA1EEN470	E 47 UF 25V	1	
C3085	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3086	ECA1EEN470	E 47 UF 25V	1	
C3087	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3088	ECA1EEN470	E 47 UF 25V	1	
C3089	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3090	ECA1CHG471	E 470UF 16V	1	
C3091	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3092	ECA1CHG471	E 470UF 16V	1	
C3093	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3094	ECA1CHG471	E 470UF 16V	1	
C3095	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3096	ECA1EEN470	E 47 UF 25V	1	
C3097	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3098	ECA1EEN470	E 47 UF 25V	1	
C3099	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3100	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3101	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3102	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3103	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3104	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3105	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3106	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3107	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3108	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3109	ECA1EEN470	E 47 UF 25V	1	
C3110	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3111	ECA1EEN470	E 47 UF 25V	1	
C3112	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3113	ECA1EEN470	E 47 UF 25V	1	
C3114	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3115	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3116	ECA1EEN470	E 47 UF 25V	1	
C3117	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3118	ECA1EEN470	E 47 UF 25V	1	
C3119	ECA1EEN470	E 47 UF 25V	1	
C3120	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3121	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3122	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3123	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3124	ECA1EEN470	E 47 UF 25V	1	
C3125	ECA1EHG101	E 100UF 25V	1	
C3126	ECA1EEN470	E 47 UF 25V	1	
C3127	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3128	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3129	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3130	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3131	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3132	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3133	ECJ1XF1E104Z	C 0.1UF Z 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3134	ECA1EHG101	E 100UF 25V	1	
C3135	ECA1EHG101	E 100UF 25V	1	
C3136	ECA1EHG101	E 100UF 25V	1	
C3137	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3138	ECA1EHG101	E 100UF 25V	1	
C3139	ECA1EHG101	E 100UF 25V	1	
C3140	ECA1EHG101	E 100UF 25V	1	
C3141	ECJ3XB1C105K	C 1UF K 16V	1	
C3142	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3143	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3144	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3145	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3146	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3147	ECJ1XF1A105Z	C 1UF Z 10V	1	
C3148	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3149	ECA1EHG101	E 100UF 25V	1	
C3150	ECA1EEN100	E 10UF 25V	1	
C3151	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3152	ECA1EEN470	E 47 UF 25V	1	
C3153	ECJ1XC1H471J	C 470PF J 50V	1	
C3154	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3155	ECJ1XC1H470J	C 47PF J 50V	1	
C3156	ECA1EHG101	E 100UF 25V	1	
C3157	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3158	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3159	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3160	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3161	ECJ1XB1C473K	C 0.047UF K 16V	1	
C3162	ECJ1XB1C473K	C 0.047UF K 16V	1	
C3163	ECJ1XB1H102K	C 1000PF K 50V	1	
C3164	ECJ1XB1C473K	C 0.047UF K 16V	1	
C3165	ECJ1XB1H102K	C 1000PF K 50V	1	
C3166	ECJ1XB1C473K	C 0.047UF K 16V	1	
C3167	ECJ1XB1C473K	C 0.047UF K 16V	1	
C3168	ECJ1XB1C473K	C 0.047UF K 16V	1	
C3169	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3170	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3171	ECA1EHG101	E 100UF 25V	1	
C3172	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3173	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3174	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3175	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3176	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3177	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3178	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3179	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3180	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3181	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3182	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3183	ECJ1XF1A105Z	C 1UF Z 10V	1	
C3184	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3185	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3186	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3187	ECJ1XF1E104Z	C 0.1UF Z 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3188	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3189	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3190	ECA1EHG101	E 100UF 25V	1	
C3191	ECJ1XB1E393K	C 39K PF K 25V	1	
C3192	ECUX1H392KBV	C 3900PF K 50V	1	
C3193	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3194	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3195	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3196	ECA1HEN4R7	E 4.7UF 50V	1	
C3197	ECJ1XB1H103K	C 0.01UF K 50V	1	
C3198	ECA1HEN4R7	E 4.7UF 50V	1	
C3199	ECJ1XB1H472K	C 4700PF K 50V	1	
C3200	ECJ3XB1C105K	C 1UF K 16V	1	
C3201	ECJ3XB1C105K	C 1UF K 16V	1	
C3202	ECJ3XB1C105K	C 1UF K 16V	1	
C3204	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3205	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3206	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3207	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3208	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3209	ECA1EHG101	E 100UF 25V	1	
C3210	ECJ1XC1H391J	C 390PF J 50V	1	
C3211	ECA1EHG101	E 100UF 25V	1	
C3212	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3213	ECJ1XC1H471J	C 470PF J 50V	1	
C3214	ECJ1XC1H102J	C 1000PF J 50V	1	
C3215	ECJ1XF1A105Z	C 1UF Z 10V	1	
C3216	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3217	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3218	ECJ1XC1H471J	C 470PF J 50V	1	
C3219	ECA1EHG101	E 100UF 25V	1	
C3220	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3221	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3222	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3225	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3226	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3227	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3228	ECA1EHG101	E 100UF 25V	1	
C3229	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3230	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3231	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3232	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3233	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3235	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3237	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3238	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3239	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3241	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3242	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3243	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3245	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3246	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3247	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3248	ECJ1XF1E104Z	C 0.1UF Z 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3250	ECJ1XB0J105K	C 1UF Z 6.3V	1	
C3251	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3254	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3255	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3256	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3257	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3258	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3259	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3260	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3261	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3262	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3263	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3264	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3265	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3266	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3267	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3268	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3269	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3270	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3271	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3272	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3273	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3274	ECA1EHG101	E 100UF 25V	1	
C3275	ECJ1XF1A105Z	C 1UF Z 10V	1	
C3276	ECA1EHG101	E 100UF 25V	1	
C3278	ECA1EHG101	E 100UF 25V	1	
C3280	ECA1EHG101	E 100UF 25V	1	
C3281	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3283	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3285	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3286	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3288	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3291	ECA1EHG101	E 100UF 25V	1	
C3293	ECA1EHG101	E 100UF 25V	1	
C3296	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3297	ECA1EHG101	E 100UF 25V	1	
C3298	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3299	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3300	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3301	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3302	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3303	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3304	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3305	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3306	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3307	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C3308	ECJ1XF1E104Z	C 0.1UF Z 25V	1	
C9001	ECQU2A225MLA	P 2.2UF M 250V	1	*
C9002	ECQU2A225MLA	P 2.2UF M 250V	1	*
C9003	ECKCNA222MEB	C 2200PF M	1	*
C9004	ECKCNA222MEB	C 2200PF M	1	*
C9005	ECQU2A225MLA	P 2.2UF M 250V	1	⚠
C9006	ECKCNA222MEB	C 2200PF M	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9007	ECKCNA222MEB	C 2200PF M	1	⚠
C9901	ECJ2XF1C104Z	C 0.1UD Z 16V	1	
C9902	ECJ2XC1H101J	C 100PF J 50V	1	
C9903	EEVHB0J470	E 47UF 6.3V	1	
C9904	ECJ2XF1C104Z	C 0.1UD Z 16V	1	
C9951	ECJ2XC1H101J	C 100PF J 50V	1	
C9952	ECJ2XC1H101J	C 100PF J 50V	1	
C9953	ECJ2XC1H101J	C 100PF J 50V	1	
C9954	ECJ2XC1H101J	C 100PF J 50V	1	
C9955	ECEA1CKA101	E 100UF 16V	1	
C9956	ECJ2XF1C104Z	C 0.1UD Z 16V	1	
[OTHERS]				
A1	K1KAA0A00088	100P CONNECTOR	1	
A2	K1KA80A00080	80P CONNECTOR	1	
A3	TJSF43806A	6P CONNECTOR	1	
A5	TJSF43803A	3P CONNECTOR	1	
A6	K1MN16B00040	16P CONNECTOR	1	
A7	K1MN16B00040	16P CONNECTOR	1	
A8	K1MN16B00040	16P CONNECTOR	1	
A9	K1KA13A00067	13P CONNECTOR	1	
A10	K1KA13A00067	13P CONNECTOR	1	
A11	K1KA13A00067	13P CONNECTOR	1	
A12	TJS3A8580	10P CONNECTOR	1	K1KA10B00148
A13	TJSF43806A	6P CONNECTOR	1	
A20	TJSF43810A	10P CONNECTOR	1	K1KA10A00225
A21	K1KA05A00257	5P CONNECTOR	1	
A22	K1KA05A00257	5P CONNECTOR	1	
A23	K1KA02A00385	2P CONNECTOR	1	
A24	TJSF33702A	CONNECTOR	1	K1KA02A00193
A25	K1KA02A00385	2P CONNECTOR	1	
A26	K1KA07A00132	7P CONNECTOR	1	
A27	K1KA04A00331	4P CONNECTOR	1	
A28	K1KA40A00140	40P CONNECTOR	1	
A29	TJSF43620A	20P CONNECTOR	1	
A30	TJSF43620A	20P CONNECTOR	1	
A31	TJSF43620A	20P CONNECTOR	1	
A32	TJSF43620A	20P CONNECTOR	1	
G1	K1KA10A00185	10P CONNECTOR	1	
G2	K1KA04A00250	4P CONNECTOR	1	
G4	TJS1A8790	3P CONNECTOR	1	K1KA03A00213
G5	K1KA03A00218	3P CONNECTOR	1	
G6	K1KA03A00218	3P CONNECTOR	1	
G7	TJS1A8800	4P CONNECTOR	1	K1KA04A00242
G10	K1KA04A00242	4P CONNECTOR	1	
G12	K1KA06A00207	6P CONNECTOR	1	
G14	TJS1A8830	7P CONNECTOR	1	K1KA07A00056
G15	TJS1A8840	8P CONNECTOR	1	K1KA08A00221
G16	TJS1A8820	6P CONNECTOR	1	K1KA06A00220
J1	K1KBA0B00011	100P CONNECTOR	1	
J2	K1KB80B00013	80P CONNECTOR	1	
J3	K1KA80A00080	80P CONNECTOR	1	
J4	K1KA60A00061	60P CONNECTOR	1	

[illegible]	[illegible]	[illegible] CONNECTOR	1	

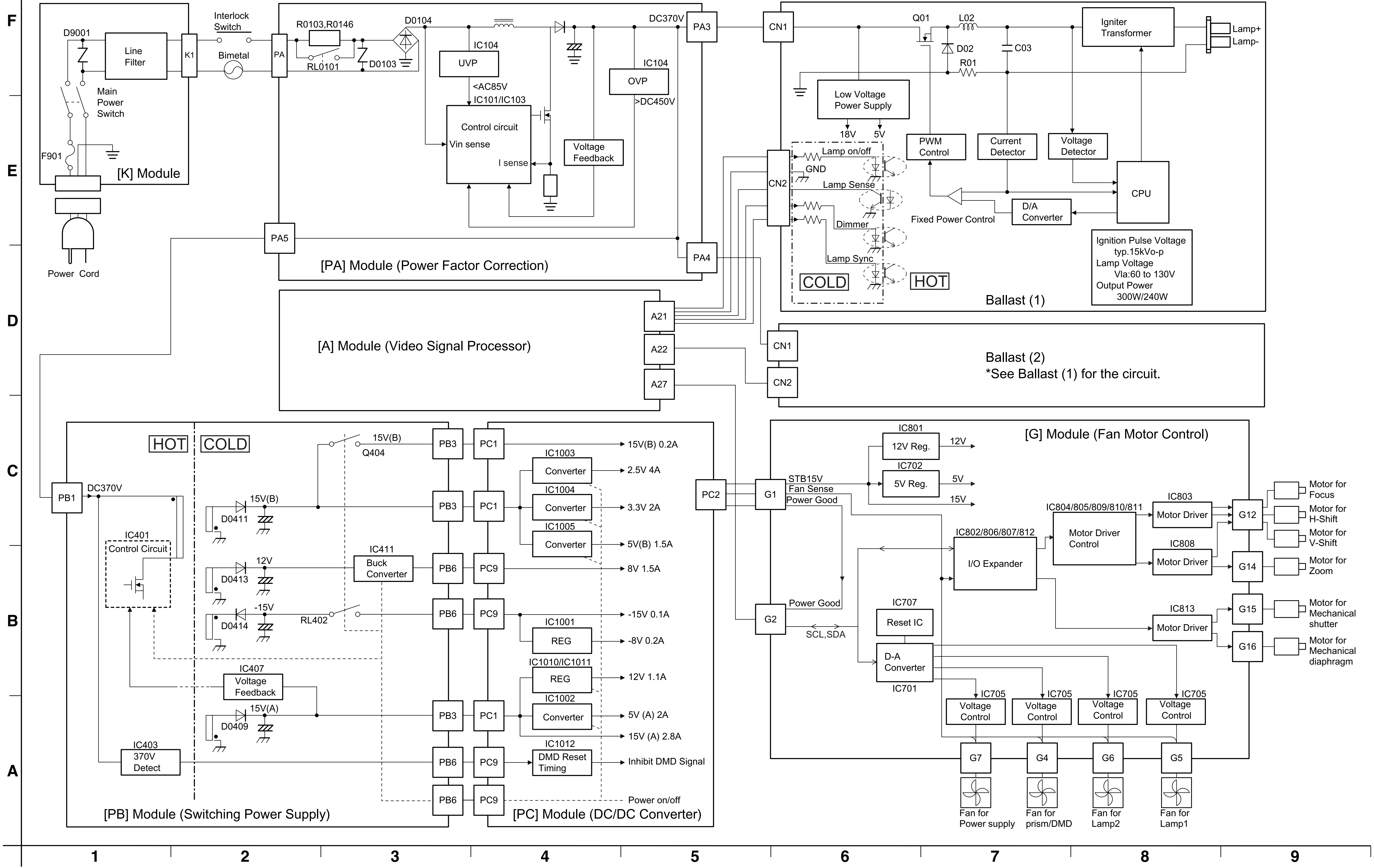
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
J5	K1KBE4A00001	CONNECTOR	1	
J6	K1KA10A00221	10P CONNECTOR	1	
J7	K1KA06A00175	6P CONNECTOR	1	
K1	TJSF20602	2P CONNECTOR	1	K1KA02A00169
PA1	TJSF20602	2P CONNECTOR	1	K1KA02A00169
PA2	TJSF29203	3P CONNECTOR	1	K1KA03A00169
PA3	TJS158130	2P CONNECTOR	1	K1KA02A00244
PA4	TJS158130	2P CONNECTOR	1	K1KA02A00244
PA5	TJSF45504	CONNECTOR	1	K1KA03A00181
PB1	TJSF45504	CONNECTOR	1	K1KA03A00181
PB2	TJSF29203	3P CONNECTOR	1	K1KA03A00169
PB3	K1KA10A00212	10P CONNECTOR	1	
PB6	TJS5A9420	8P CONNECTOR	1	K1KB08A00054
PC1	TJS6A8170	10P CONNECTOR	1	K1KA10B00120
PC2	K1KA10A00185	10P CONNECTOR	1	
PC3	TJS1A8780	2P CONNECTOR	1	K1KA02A00229
PC4	K1KA10A00221	10P CONNECTOR	1	
PC5	TJS1A8870	11P CONNECTOR	1	K1KA11A00073
PC6	TJS1A8860	10P CONNECTOR	1	K1KA10A00259
PC7	TJS1A8860	10P CONNECTOR	1	K1KA10A00259
PC8	TJS1A8860	10P CONNECTOR	1	K1KA10A00259
PC9	TJS5A9450	8P CONNECTOR	1	K1KA08B00117
PC11	K1KA06A00175	6P CONNECTOR	1	
PC12	TJS1A8790	3P CONNECTOR	1	K1KA03A00213
PC13	TJS1A8790	3P CONNECTOR	1	K1KA03A00213
R1	TJSF43710	10P CONNECTOR	1	K1KA10B00126
R2	K1KA02B00053	2P CONNECTOR	1	
R3	BCR20H4	BATTERY HOLDER	1	
S1	K1KA07B00041	7P CONNECTOR	1	
X1	K1KB60B00018	60P CONNECTOR	1	
X2	K1KB80B00013	80P CONNECTOR	1	
F9101-1	K3GE1PB00002	FUSE HOLDER	1	
F9101-2	K3GE1PB00002	FUSE HOLDER	1	
JK0401	TJC6137	EARTH LUG	1	
JK0402	TJC6137	EARTH LUG	1	
JK801	TJC6137	EARTH LUG	1	
JK802	TJC6137	EARTH LUG	1	
JK2601	TJSF32800	WIRED IN TERMINAL	1	K2HC103B0095
JK2602	TJSF32800	WIRED IN TERMINAL	1	K2HC103B0095
JK2603	K1FB109B0058	RS232C IN TERMINAL	1	
JK2604	K1FB109B0058	RS232C IN TERMINAL	1	
JK2605	K1FA109B0042	RS232C OUT TERMINAL	1	
JK3001	TJSF42904	CONNECTOR	1	K1CB204B0004
JK3002	K1QBB2AB0013	CONNECTOR	1	
JK3003	K1QBB5AB0005	CONNECTOR	1	
JK3004	TJSF45015	15P D-SUB	1	K1FB115B0058
JK9001	TJC6137	EARTH LUG	1	
JK9002	TJC6137	EARTH LUG	1	
JS2600	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
JS2601	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
JS2602	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
JS2603	ERJ6GEY0R00	M 0 OHM J 1/10W	1	
N9001	K2AH3G000009	AC INLET	1	⚠
PA3001	UNHS20300L	IC PROTECTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
PA3003	UNHS20300L	IC PROTECTOR	1	
PA3005	UNHS20300L	IC PROTECTOR	1	
PA3007	UNHS20300L	IC PROTECTOR	1	
RL0101	K6B1AGA00084	RELAY	1	⚠
RL0402	TSEH0007	RELAY	1	K6B2CDA00021
RM9901	B3RAD0000009	REMOTE CONTROL RECEIVER	1	
RM9951	B3RAD0000009	REMOTE CONTROL RECEIVER	1	
S2001	K0D411A00006	SWITCH	1	
S3001	ESD11V220	SWITCH	1	
S9001	K0AACE000013	POWER SWITCH	1	⚠
S9902	EVQPLHA15	SWITCH	1	
S9903	EVQPLHA15	SWITCH	1	
S9904	EVQPLHA15	SWITCH	1	
S9905	EVQPLHA15	SWITCH	1	
S9906	EVQPLHA15	SWITCH	1	
S9907	EVQPLHA15	SWITCH	1	
S9908	EVQPLHA15	SWITCH	1	
S9909	EVQPLHA15	SWITCH	1	
S9910	EVQPLHA15	SWITCH	1	
S9911	EVQPLHA15	SWITCH	1	
S9912	EVQPLHA15	SWITCH	1	
S9913	EVQPLHA15	SWITCH	1	
S9914	EVQPLHA15	SWITCH	1	
S9915	EVQPLHA15	SWITCH	1	
S9916	EVQPLHA15	SWITCH	1	
S9917	EVQPLHA15	SWITCH	1	
T0101	G0ZZ00002047	COIL	1	⚠
T0401	G4D4A0000057	SWITCHING TRANS	1	⚠
X2001	H1A8905B0001	CRYSTAL	1	
X2002	H0J202500002	CRYSTAL	1	
X2003	H0J100500010	CRYSTAL	1	
X2004	H1A5005B0010	CRYSTAL	1	
X2600	H1A1475B0005	CRYSTAL	1	
X2601	H0J327200038	CRYSTAL	1	
X3001	H0J202500002	CRYSTAL	1	
	N0ZZ00000005	BALLAST PCB	2	⚠
RTL	TNPA2458	CIRCUIT BOARD PA	1	
RTL	TNPA2459	CIRCUIT BOARD PB	1	
RTL	TNPA2462	CIRCUIT BOARD R	1	
RTL	TNPA2463	CIRCUIT BOARD S	1	
RTL	TNPA2464	CIRCUIT BOARD J	1	
RTL	TNPA2468	CIRCUIT BOARD PC	1	
RTL	TXN/A2VJM8	CIRCUIT BOARD A	1	
RTL	TXN/G1VJM8	CIRCUIT BOARD G	1	
RTL	TXN/K2VJM8	CIRCUIT BOARD K	1	PT-D7500U/D7600U
RTL	TXN/K2PQVZ	CIRCUIT BOARD K	1	PT-D7500E/D7600E
RTL	TXN/X2VJM8	CIRCUIT BOARD X	1	
	TXN/AWPGUZ	VIDEO/S-VIDEO IN PCB	1	OPTION PCB
	TXN/SHPBVZ	SDI(HD) IN PCB	1	OPTION PCB
	TXN/SPPBUZ	SDI(480P) IN PCB	1	OPTION PCB
	TXN/SSPBTZ	SDI(SD) IN PCB	1	OPTION PCB
	TXNAZ2PLWZ	ANALOG RGB IN PCB	1	OPTION PCB

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TXNDV2VJP3	DVI BOARD	1	OPTION PCB
	TXNNT2VJP2	NT BOARD	1	OPTION PCB
	TZSH07011	JIG FOR X-P.C.BOARD	1	

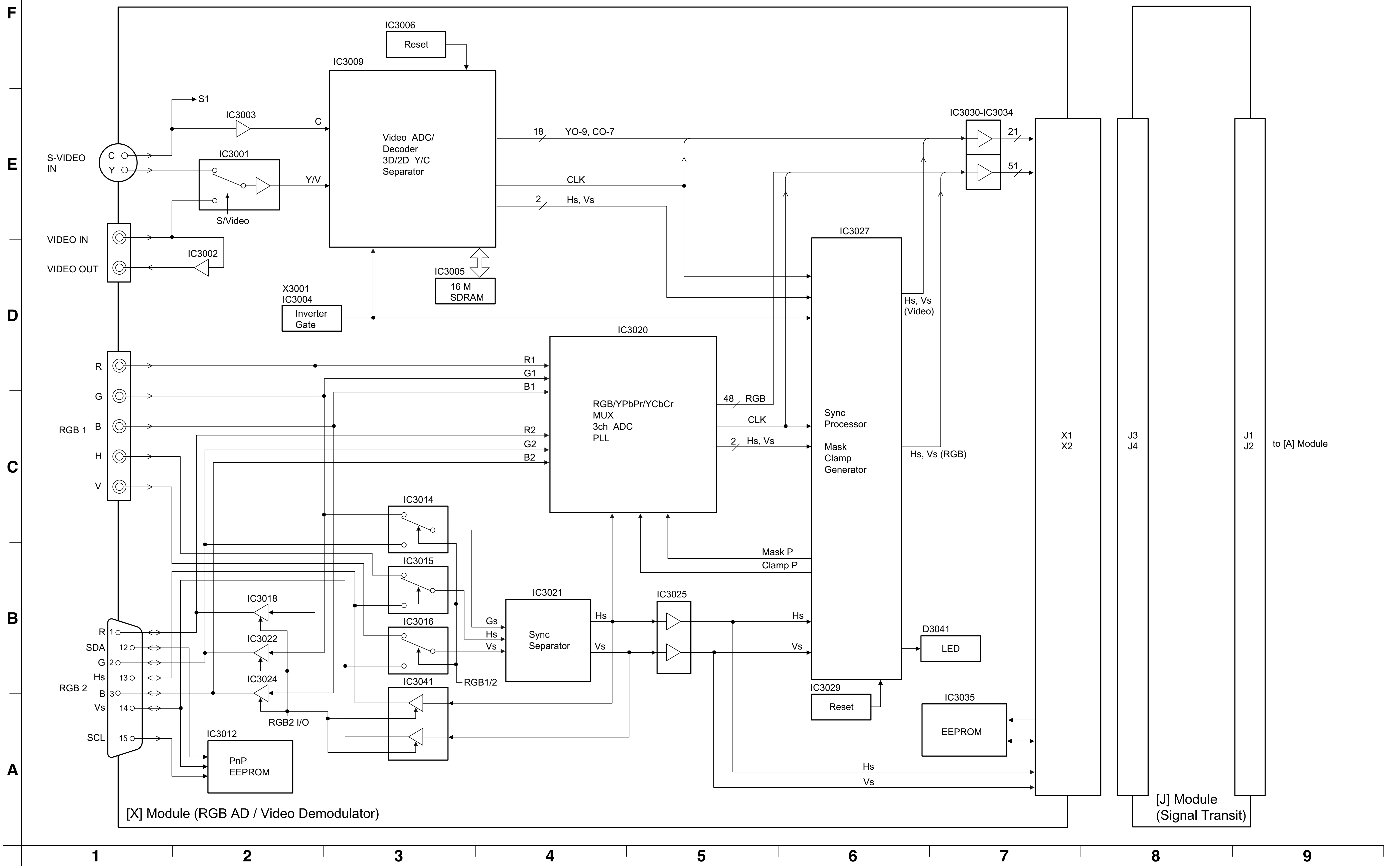
20. Schematic Diagram for printing with A4 size

Power Supply

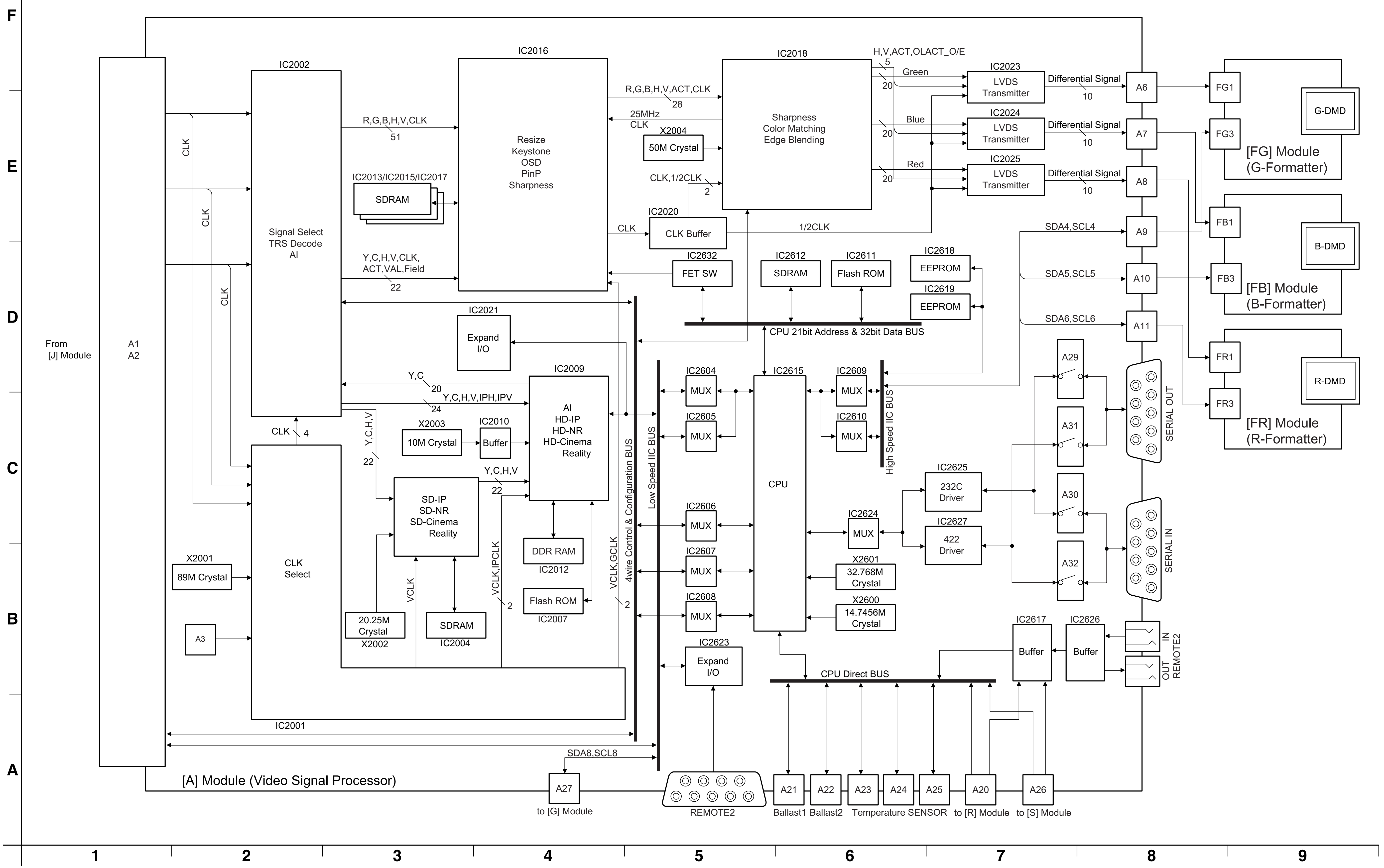


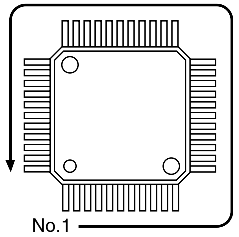
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
D9001
Line Filter
K1
Interlock Switch
Bimetal
Main Power Switch
F901
[K] Module
Power Cord
PA
R0103,R0146
RL0101
D0103
D0104
IC104
UVP
<AC85V
IC101/IC103
Control circuit
Vin sense
I sense
IC104
OVP
>DC450V
Voltage Feedback
DC370V
PA3
PA5
PA4
[PA] Module (Power Factor Correction)
CN1
Q01
L02
D02
C03
R01
Igniter Transformer
Lamp+
Lamp-
Low Voltage Power Supply
18V
5V
PWM Control
Current Detector
Voltage Detector
CN2
Lamp on/off
GND
Lamp Sense
Dimmer
Lamp Sync
COLD
HOT
Fixed Power Control
D/A Converter
CPU
Ignition Pulse Voltage typ.15kVo-p
Lamp Voltage Vla:60 to 130V
Output Power 300W/240W
Ballast (1)
[A] Module (Video Signal Processor)
A21
A22
A27
CN1
CN2
Ballast (2)
*See Ballast (1) for the circuit.
PB1
DC370V
HOT
COLD
IC401
Control Circuit
15V(B)
Q404
D0411
15V(B)
D0413
12V
IC411
Buck Converter
D0414
-15V
RL402
IC407
Voltage Feedback
D0409
15V(A)
IC403
370V Detect
[PB] Module (Switching Power Supply)
PB3
PB3
PB6
PB6
PB3
PB6
PB6
PC1
PC1
PC9
PC9
PC1
PC9
PC9
15V(B) 0.2A
IC1003
Converter
2.5V 4A
IC1004
Converter
3.3V 2A
IC1005
Converter
5V(B) 1.5A
8V 1.5A
-15V 0.1A
IC1001
REG
-8V 0.2A
IC1010/IC1011
REG
12V 1.1A
IC1002
Converter
5V (A) 2A
15V (A) 2.8A
IC1012
DMD Reset Timing
Inhibit DMD Signal
Power on/off
[PC] Module (DC/DC Converter)
PC2
G1
STB15V
Fan Sense
Power Good
G2
Power Good
SCL,SDA
[G] Module (Fan Motor Control)
IC801
12V Reg.
12V
IC702
5V Reg.
5V
15V
IC802/806/807/812
I/O Expander
IC804/805/809/810/811
Motor Driver Control
IC803
Motor Driver
IC808
Motor Driver
IC813
Motor Driver
IC707
Reset IC
D-A Converter
IC701
IC705
Voltage Control
IC705
Voltage Control
IC705
Voltage Control
IC705
Voltage Control
G12
G14
G15
G16
Motor for Focus
Motor for H-Shift
Motor for V-Shift
Motor for Zoom
Motor for Mechanical shutter
Motor for Mechanical diaphragm
G7
G4
G6
G5
Fan for Power supply
Fan for prism/DMD
Fan for Lamp2
Fan for Lamp1

Signal Processing (1/2)

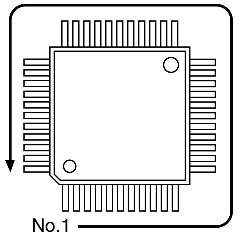

F
E
D
C
B
A
IC3006
Reset
IC3009
Video ADC/
Decoder
3D/2D Y/C
Separator
S1
IC3003
C
S-VIDEO
IN
C
Y
IC3001
Y/V
S/Video
VIDEO IN
VIDEO OUT
IC3002
IC3005
16 M
SDRAM
X3001
IC3004
Inverter
Gate
18
YO-9, CO-7
CLK
2
Hs, Vs
IC3030-IC3034
21
51
IC3027
Sync
Processor
Mask
Clamp
Generator
Hs, Vs
(Video)
Hs, Vs (RGB)
IC3020
RGB/YPbPr/YCbCr
MUX
3ch ADC
PLL
R1
G1
B1
R2
G2
B2
48
RGB
CLK
2
Hs, Vs
R
G
B
H
V
RGB 1
IC3014
IC3015
IC3016
IC3041
Mask P
Clamp P
IC3021
Sync
Separator
Gs
Hs
Vs
Hs
Vs
RGB1/2
IC3025
Hs
Vs
D3041
LED
IC3029
Reset
IC3035
EEPROM
IC3018
IC3022
IC3024
RGB2 I/O
R 1
SDA 12
G 2
Hs 13
B 3
Vs 14
SCL 15
RGB 2
IC3012
PnP
EEPROM
Hs
Vs
X1
X2
J3
J4
J1
J2
to [A] Module
[X] Module (RGB AD / Video Demodulator)
[J] Module
(Signal Transit)
1
2
3
4
5
6
7
8
9

Signal Processing (2/2)

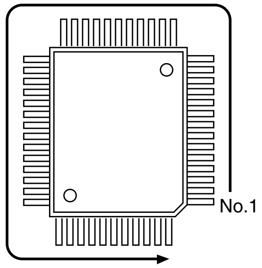

F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
From
[J] Module
A1
A2
CLK
CLK
CLK
IC2002
Signal Select
TRS Decode
AI
R,G,B,H,V,CLK
51
IC2013/IC2015/IC2017
SDRAM
Y,C,H,V,CLK,
ACT,VAL,Field
22
IC2016
Resize
Keystone
OSD
PinP
Sharpness
R,G,B,H,V,ACT,CLK
28
25MHz
CLK
X2004
50M Crystal
CLK,1/2CLK
2
IC2020
CLK
CLK Buffer
1/2CLK
IC2632
FET SW
IC2018
Sharpness
Color Matching
Edge Blending
H,V,ACT,OLACT_O/E
5
Green
20
Blue
20
Red
20
IC2023
LVDS
Transmitter
IC2024
LVDS
Transmitter
IC2025
LVDS
Transmitter
Differential Signal
10
Differential Signal
10
Differential Signal
10
A6
A7
A8
A9
A10
A11
SDA4,SCL4
SDA5,SCL5
SDA6,SCL6
FG1
FG3
G-DMD
[FG] Module
(G-Formatter)
FB1
FB3
B-DMD
[FB] Module
(B-Formatter)
FR1
FR3
R-DMD
[FR] Module
(R-Formatter)
IC2612
SDRAM
IC2611
Flash ROM
IC2618
EEPROM
IC2619
EEPROM
CPU 21bit Address & 32bit Data BUS
IC2021
Expand
I/O
Y,C
20
Y,C,H,V,IPH,IPV
24
IC2009
AI
HD-IP
HD-NR
HD-Cinema
Reality
Y,C,H,V
22
X2003
10M Crystal
IC2010
Buffer
Y,C,H,V
22
SD-IP
SD-NR
SD-Cinema
Reality
CLK
4
X2001
89M Crystal
CLK
Select
A3
20.25M
Crystal
X2002
VCLK
SDRAM
IC2004
VCLK,IPCLK
2
DDR RAM
IC2012
Flash ROM
IC2007
VCLK,GCLK
2
4wire Control & Configuration BUS
Low Speed IIC BUS
IC2001
SDA8,SCL8
IC2604
MUX
IC2605
MUX
IC2606
MUX
IC2607
MUX
IC2608
MUX
IC2623
Expand
I/O
IC2615
CPU
IC2609
MUX
IC2610
MUX
High Speed IIC BUS
IC2624
MUX
X2601
32.768M
Crystal
X2600
14.7456M
Crystal
IC2625
232C
Driver
IC2627
422
Driver
A29
A31
A30
A32
SERIAL OUT
SERIAL IN
IC2617
Buffer
IC2626
Buffer
IN
OUT
REMOTE2
CPU Direct BUS
[A] Module (Video Signal Processor)
A27
to [G] Module
REMOTE2
A21
A22
A23
A24
A25
A20
A26
Ballast1
Ballast2
Temperature SENSOR
to [R] Module
to [S] Module



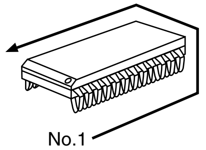
C1AB00001273	44 Pin
C0FBAD000027	144 Pin
MN82860	208 Pin
HD17709AF100	208 Pin
C1AB00001703	256 Pin



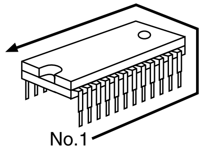
SIL150ACT100	100 Pin
C1AB00001400	80 Pin
C1ZBZ0001785	208 Pin



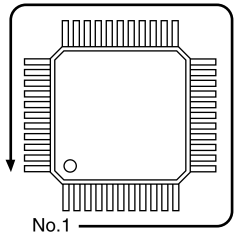
C0FBAD000076	124 Pin
C1AB00001398	128 Pin
HD17709RF100	208 Pin
C1ZBZ0001965	144 Pin



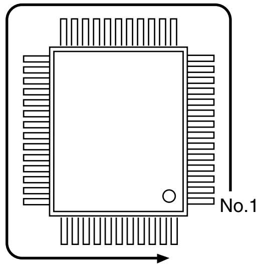
C3BBHG000047	44 Pin



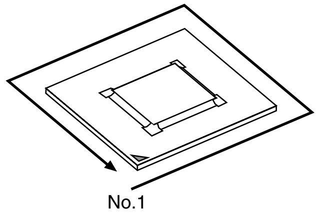
TC7SM32FTL	20 Pin
M52036SP	20 Pin



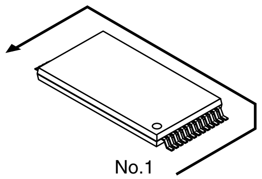
MN8271AT	208 Pin
C1AB00001267	48 Pin
C1AB00001089	256 Pin
C1ZBZ0001774	208 Pin
TVRJ497	168 Pin
C1AB00001230	208 Pin
C1ZBZ0001794	208 Pin
TVRJ834-1	44 Pin



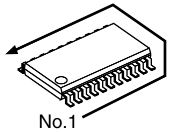
C3HBMJ000004	100 Pin



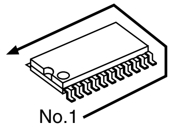
C1AB00001448	100 Pin



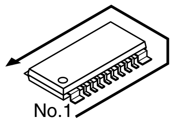
TVRJ428	48 Pin
TVRJ501	48 Pin
TVRJ537	48 Pin
TVR793-1	48 Pin
TVRJ792-4	48 Pin



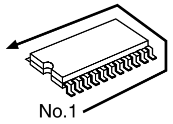
JLC1562BF	16 Pin
PLPT16374AX	48 Pin
C0JBAZ000630	48 Pin
PLPT16244CA	48 Pin
C3ABMG000080	50 Pin
TVSA0320	44 Pin
M62399FP	20 Pin
74LVC541ADB	20 Pin
C0DBAZH00002	16 Pin
C0DBAZH00006	32 Pin
C0ZBZ0000534	28 Pin
TVSA0500	50 Pin
TVRJ528	48 Pin
SN74HC14NS	14 Pin
M62393FP	20 Pin
MC14053BF	16 Pin
M52755FP	36 Pin
C0JBCZ000485	56 Pin
JLC1562BF	16 Pin
M62393FP	20 Pin
74LVC240ADB	20 Pin
C0JBAZ000855	20 Pin
C3ABP000013	86 Pin
C3ABPJ000035	86 Pin



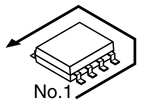
LB1650	16 Pin
C2BBFD000291	34 Pin



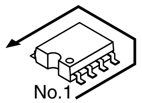
C0ZBZ0000685	16 Pin
LB1831M	20 Pin
C0JBAZ000851	14 Pin
WC14538BF	16 Pin
C0DBAZH00006	32 Pin
TC7WU04F	8 Pin
C3ABPJ000035	84 Pin
PLPT16244CA	48 Pin
MC14538BF	16 Pin



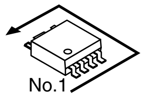
TC74HC4051AF	16 Pin
PLPT16374A	20 Pin
C0JBAZ001953	14 Pin
TC4053BF	16 Pin



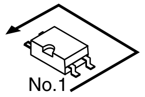
C3EBFC000017	8 Pin
TC74LCX541TL	20 Pin
MC33262D	8 Pin
24LC65T-I/SM	8 Pin
M51957BFP-600C	8 Pin
B1DFGD000013	8 Pin
M51957BFP	8 Pin
TC7W04FUTL	8 Pin
24LC21T-I/SN	8 Pin
M5222FP	8 Pin
MM1065ZMR	4 Pin
SN74HC14NS	14 Pin
TC74LCX04FT	14 Pin
C0JBAZ000851	14 Pin
B1DFGD000013	8 Pin
TC7WU04F	8 Pin



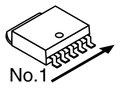
PQ1R33	8 Pin
C0CBCBE00001	8 Pin
C1AB00001266	8 Pin
BA15218F	8 Pin



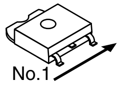
C0CABGG00004	16 Pin
C1AB00001226	8 Pin
TC4W53F	8 Pin
UPC842G2	8 Pin
M51957BFP	8 Pin
C0JBAZ001467	20 Pin
AN6914S	8 Pin



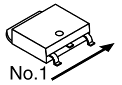
SA101-V1	4 Pin



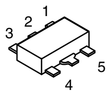
C0DBEZE00002	5 Pin
C0CBCBF00001	5 Pin
PQ07VZ012ZP	5 Pin
C0DBEZG00004	5 Pin



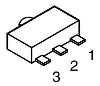
C0CBADG00003	3 Pin
L4931CDT120	3 Pin
TA7812F	3 Pin



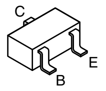
PQ05SZ11	3 Pin
PQ05SZ51	3 Pin
PQ05SZ5U	3 Pin
C0DBEZG00011	5 Pin
C0JBAE000192	5 Pin



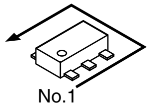
C0DBEZC00010	5 Pin



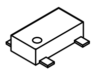
AN78L15M	3 Pin



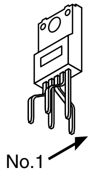
2SB709A
2SD1030S
2SD601AR
2SB710A



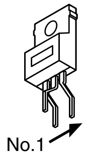
C0CBAAC00040	6 Pin
C0CBADC00032	6 Pin



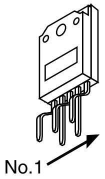
C1AB00000608	4 Pin
C1AB00001248	4 Pin



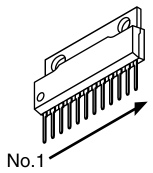
SI-8050JLF1118	5 Pin



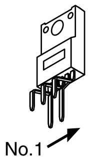
SE012N	3 Pin
B3PAA0000240	3 Pin
C0ZBZ000054	3 Pin
SI-3050F	3 Pin



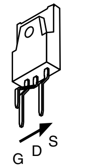
STRF6676LF52	5 Pin



AN7147N	12 Pin



C0DAZKG00011	5 Pin
SI-3050CA	5 Pin
ST-3120F	5 Pin
SI-8050F	5 Pin



2SK2917
2SJ307

Schematic Diagram for Model PT-D7500U and PT-D7600U

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS.
WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

Schematic Diagram for Model PT-D7500E and PT-D7600E

Important Safety Notice

Components identified by the international symbol ⚠ have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified ones.

Notes:

1. **Resistor**

   All the resistors are carbon 1/4W resistors, unless marked as follows: The unit of resistance is an OHM [Ω] (K=1 000 M=1 000 000).

   ○ : Nonflammable
   △ : Solid
   ⧄ : Wire Wound
   ⊠ : Metal Oxide
   ◎ : Metal Film
   ⊗ : Fuse

2. **Capacitor**

   ⊗ : Temperature Compensation
   Ⓜ : Polyester
   ⓜ : Metalized Polyester
   ⊠ : Polypropylene
   +‖− : Electrolytic
   NP‖ : Bipolar
   Ⓣ : Dipped Tantalum
   Ⓩ : Z-Type

3. **Coil**

   The unit of inductance is a μH, unless otherwise noted.

4. **Test Point**

   ● : Test Point

5. **Voltage Measurement**

   The voltage is measured by an electronic voltmeter receiving the colorbar signal when all the customer's controls are set to the standard condition.

6. **Color code for the links between diagrams and circuit boards**

From/To		To/From	Color code
Block diagram	⟷	Schematic diagram	Magenta
Schematic diagram	⟷	Schematic diagram	Green
Schematic diagram	⟷	Circuit boards	Yellow
Schematic diagram	⟷	Waveforms	Cyan (Light blue)

7. **HOT and COLD indications**

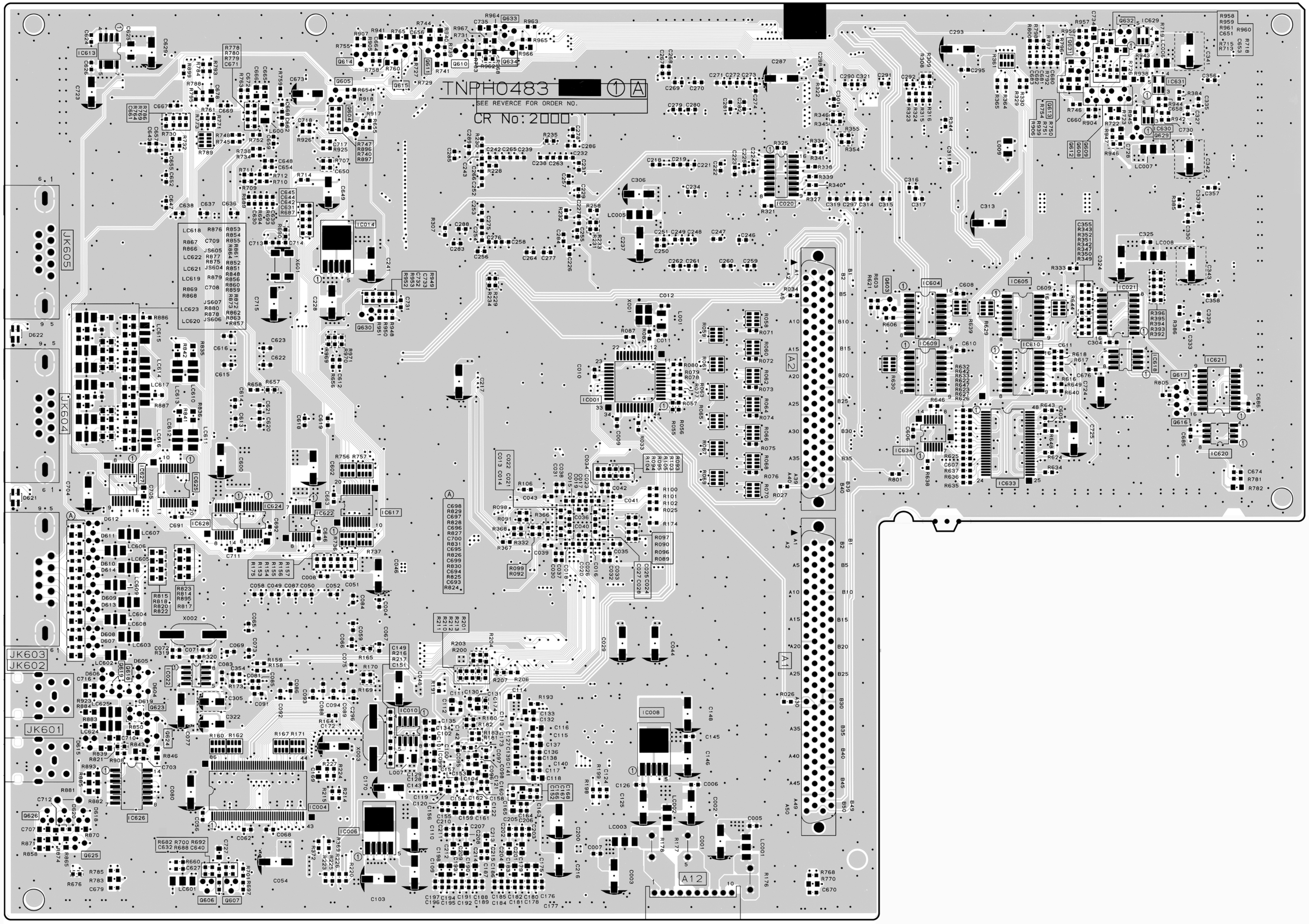
   The power circuit board contains a circuit area using a separate power supply to isolate the ground connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the precautions below:

8. **This schematic diagram is the latest at the time of printing and subject to change without notice.**

Precautions:

1. NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
2. NEVER short-circuit the HOT and COLD circuits, or the fuse may blow and the parts may break.
3. NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow.Connect the ground of instruments to the ground of the circuit being measured.
4. MAKE SURE to unplug the power cord from the power outlet before removing the chassis.

A-P.C.Board TXN/A2VJM8
(Component Side)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
TNPH0483
SEE REVERCE FOR ORDER NO.
CR No:2000
JK601
JK602
JK603
JK604
JK605
A12
A1
A2
IC001
IC004
IC006
IC008
IC010
IC014
IC020
IC021

A-P.C.Board (Component Side)

IC

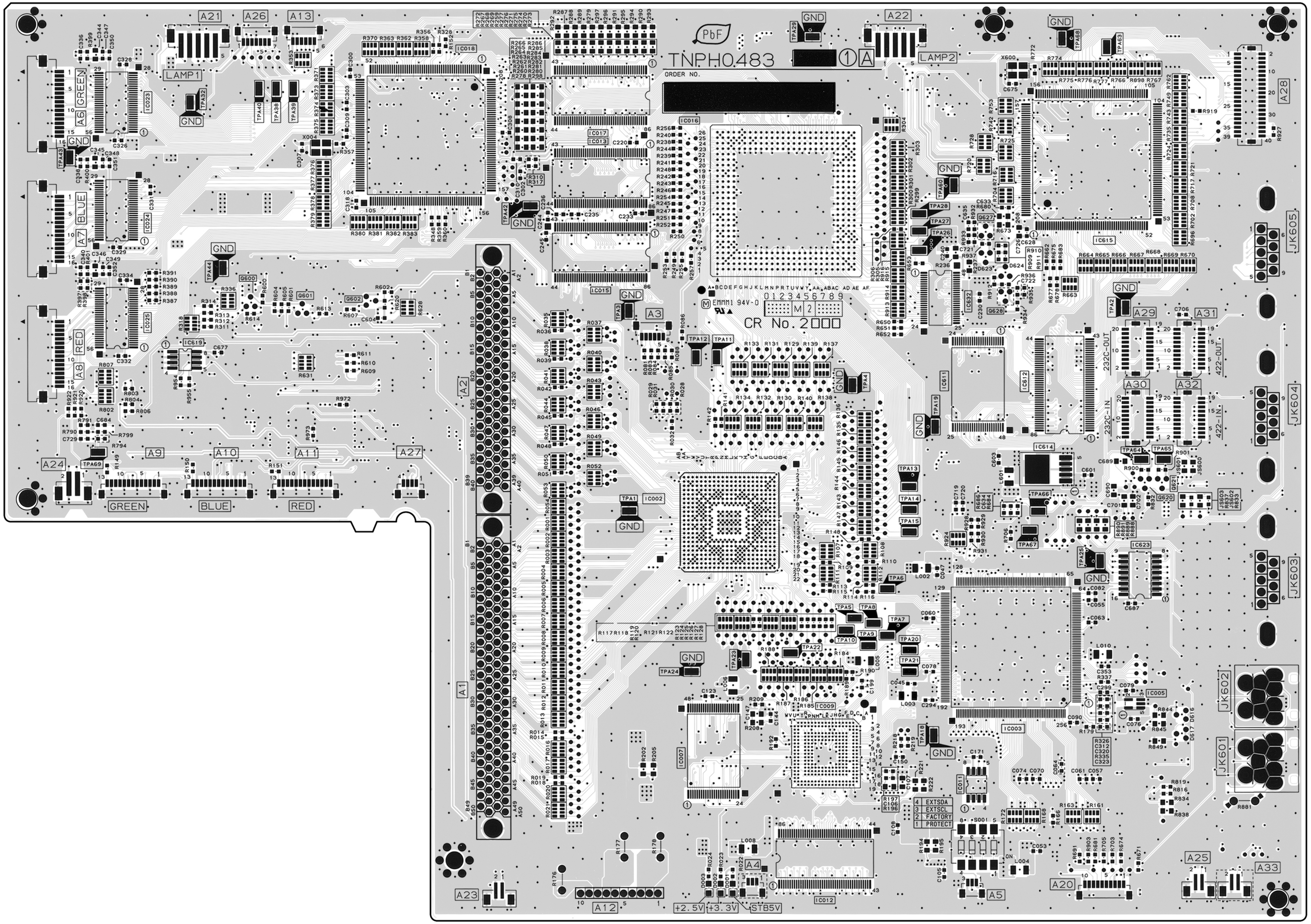
IC2001	C-4	IC2618	D-7
IC2004	A-2	IC2620	C-7
IC2006	A-2	IC2621	D-7
IC2008	B-4	IC2622	C-2
IC2010	B-3	IC2624	C-2
IC2014	D-3	IC2625	C-2
IC2020	D-5	IC2626	A-1
IC2021	D-7	IC2627	C-1
IC2022	B-2	IC2628	C-2
IC2604	D-6	IC2629	E-7
IC2605	D-6	IC2630	E-7
IC2609	D-6	IC2631	E-7
IC2610	D-6	IC2633	C-6
IC2613	E-1	IC2634	C-5
IC2617	C-3		

TRANSISTOR

Q2603	D-5	Q2617	D-7
Q2604	E-2	Q2618	B-1
Q2605	E-2	Q2619	B-1
Q2606	A-2	Q2623	B-1
Q2607	A-2	Q2624	B-2
Q2608	E-6	Q2625	A-1
Q2609	E-6	Q2626	A-1
Q2610	E-3	Q2629	E-7
Q2611	E-3	Q2630	D-3
Q2612	E-6	Q2631	E-6
Q2613	E-6	Q2632	E-7
Q2614	E-2	Q2633	E-3
Q2615	E-3	Q2634	E-3
Q2616	C-7		

ADDRESS INFORMATION

A-P.C.Board TXN/A2VJM8
(Foil Side)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
TNPH0483
CR No.2000
ORDER NO.
PbF
A21
A26
A13
A22
A28
LAMP1
LAMP2
A6 GREEN
A7 BLUE
A8 RED
A24
A9
A10
A11
A27
GREEN
BLUE
RED
A2
A1
A3
A29
A31
A30
A32
232C-OUT
422-OUT
232C-IN
422-IN
JK605
JK604
JK603
JK602
JK601
A23
A12
A4
A5
A20
A25
A33
+2.5V
+3.3V
STB5V
4 EXTSDA
3 EXTSCL
2 FACTORY
1 PROTECT
GND

A-P.C.Board (Foil Side)			
IC			
IC2002	C-4	IC2018	E-3
IC2003	B-6	IC2023	E-1
IC2005	B-7	IC2024	D-1
IC2007	B-4	IC2025	D-1
IC2009	B-5	IC2611	C-6
IC2011	A-6	IC2612	C-6
IC2012	A-5	IC2614	C-6
IC2013	E-4	IC2615	D-6
IC2015	D-4	IC2619	D-2
IC2016	E-4	IC2623	C-7
IC2017	E-4	IC2632	D-6
TRANSISTOR			
Q2600	D-2	Q2620	C-7
Q2601	D-2	Q2621	C-7
Q2602	D-2		
TPA			
TPA1	C-4	TPA24	B-4
TPA2	D-6	TPA25	C-6
TPA3	D-4	TPA26	D-6
TPA4	C-5	TPA27	D-6
TPA5	B-5	TPA28	D-6
TPA6	B-5	TPA29	E-5
TPA7	B-5	TPA32	E-2
TPA8	B-5	TPA38	E-2
TPA9	B-5	TPA39	E-2
TPA10	B-5	TPA40	E-2
TPA11	D-4	TPA42	D-3
TPA12	D-4	TPA43	E-1
TPA13	C-5	TPA44	D-2
TPA14	C-5	TPA60	D-6
TPA15	C-5	TPA63	E-6
TPA18	B-5	TPA64	C-7
TPA19	C-6	TPA65	C-7
TPA20	B-5	TPA66	C-6
TPA21	B-5	TPA67	C-6
TPA22	B-5	TPA68	E-6
TPA23	B-4	TPA69	C-1

ADDRESS INFORMATION

F

G-P.C.Board TXN/G1VJM8 (Foil Side)

G-P.C.Board (Foil Side)					
IC		TRANSISTOR			
IC703	B-2	Q711	C-3	Q720	D-3
IC704	B-3	Q712	C-3	Q722	D-3
IC705	D-3	Q713	D-3		
IC706	B-1	Q714	B-2		
IC801	B-3	Q715	C-3		
IC803	D-1	Q716	C-3		
IC808	D-1	Q717	B-2		
IC813	C-2	Q719	C-3		

ADDRESS INFORMATION

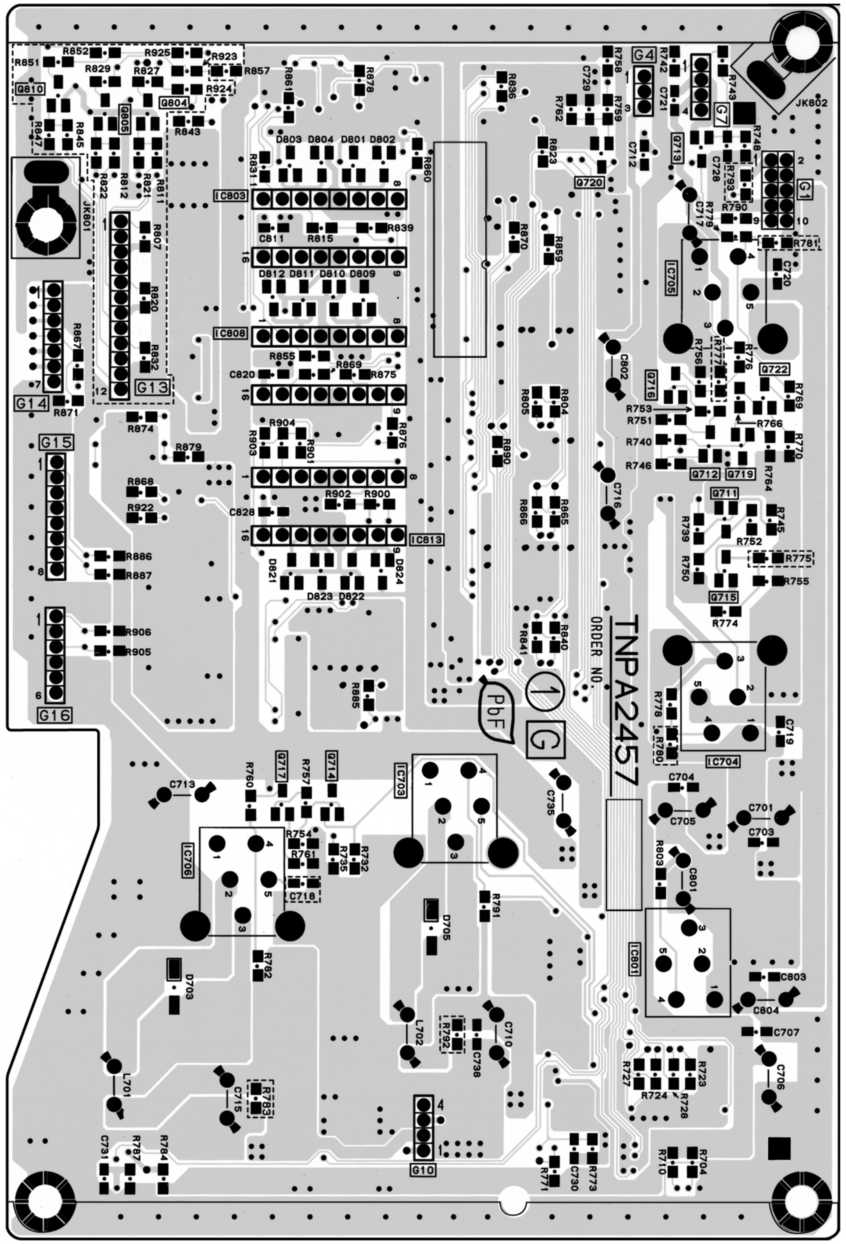
G-P.C.Board TXN/G1VJM8 (Component Side)

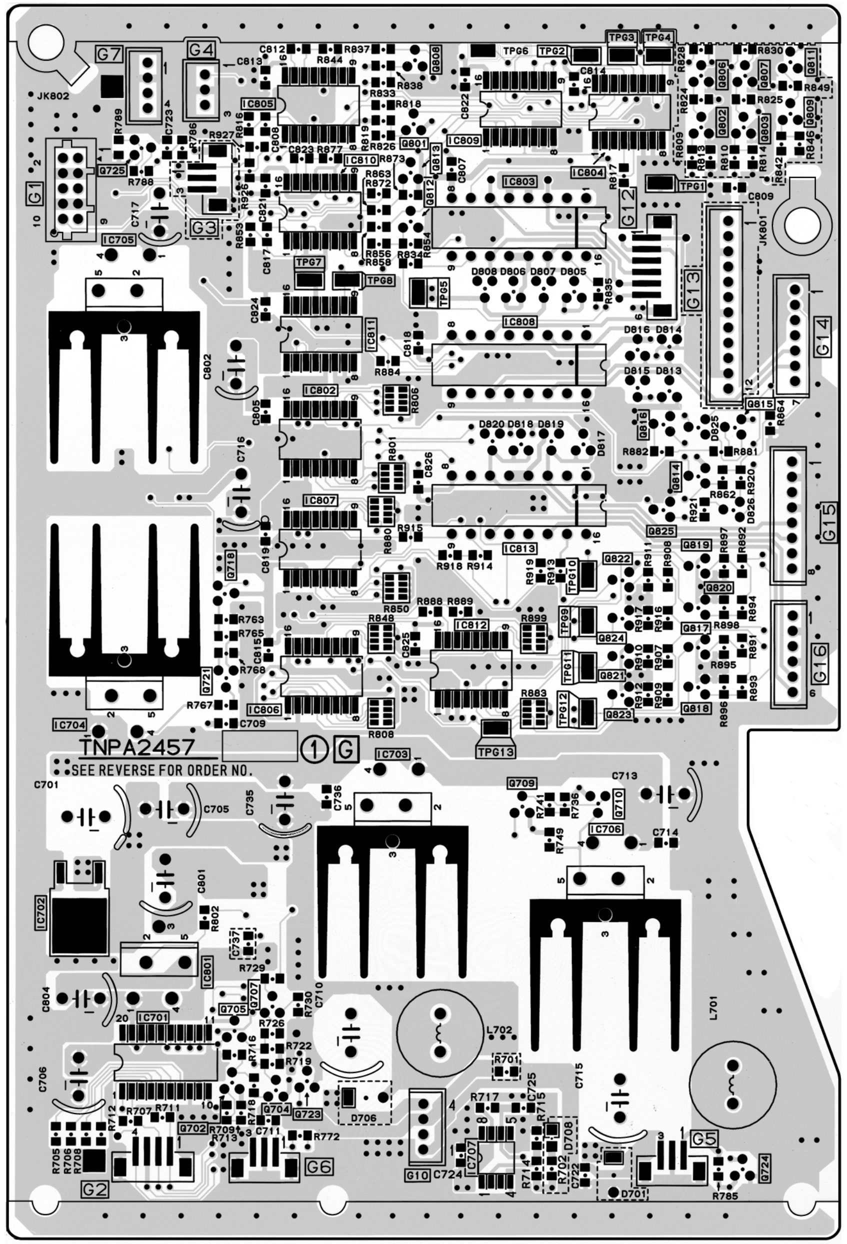
G-P.C.Board (Component Side)															
IC				TRANSISTOR						TPG					
IC701	A-5	IC805	D-5	Q702	A-5	Q801	D-6	Q815	C-7	TPG1	D-7	TPG12	B-6
IC702	B-5	IC806	B-5	Q704	A-5	Q808	D-6	Q816	C-7	TPG2	E-6	TPG13	B-6
IC703	B-6	IC807	C-6	Q705	A-5	Q812	D-6	Q817	C-7	TPG3	E-7		
IC704	B-5	IC808	D-6	Q707	A-5	Q813	D-6	Q818	B-7	TPG4	E-7		
IC705	D-5	IC809	D-6	Q709	B-6	Q814	C-7	Q819	C-7	TPG5	D-6		
IC706	B-6	IC810	D-6	Q710	B-7			Q820	C-7	TPG6	E-6		
IC707	A-6	IC811	D-6	Q718	C-5			Q821	B-6	TPG7	D-5		
IC801	B-5	IC812	C-6	Q721	B-5			Q822	C-7	TPG8	D-6		
IC802	C-6	IC813	C-6	Q723	A-5			Q823	B-7	TPG9	C-6		
IC803	D-6			Q724	A-7			Q824	C-6	TPG10	C-6		
IC804	D-6			Q725	D-5			Q825	C-7	TPG11	C-6		

ADDRESS INFORMATION

E

D





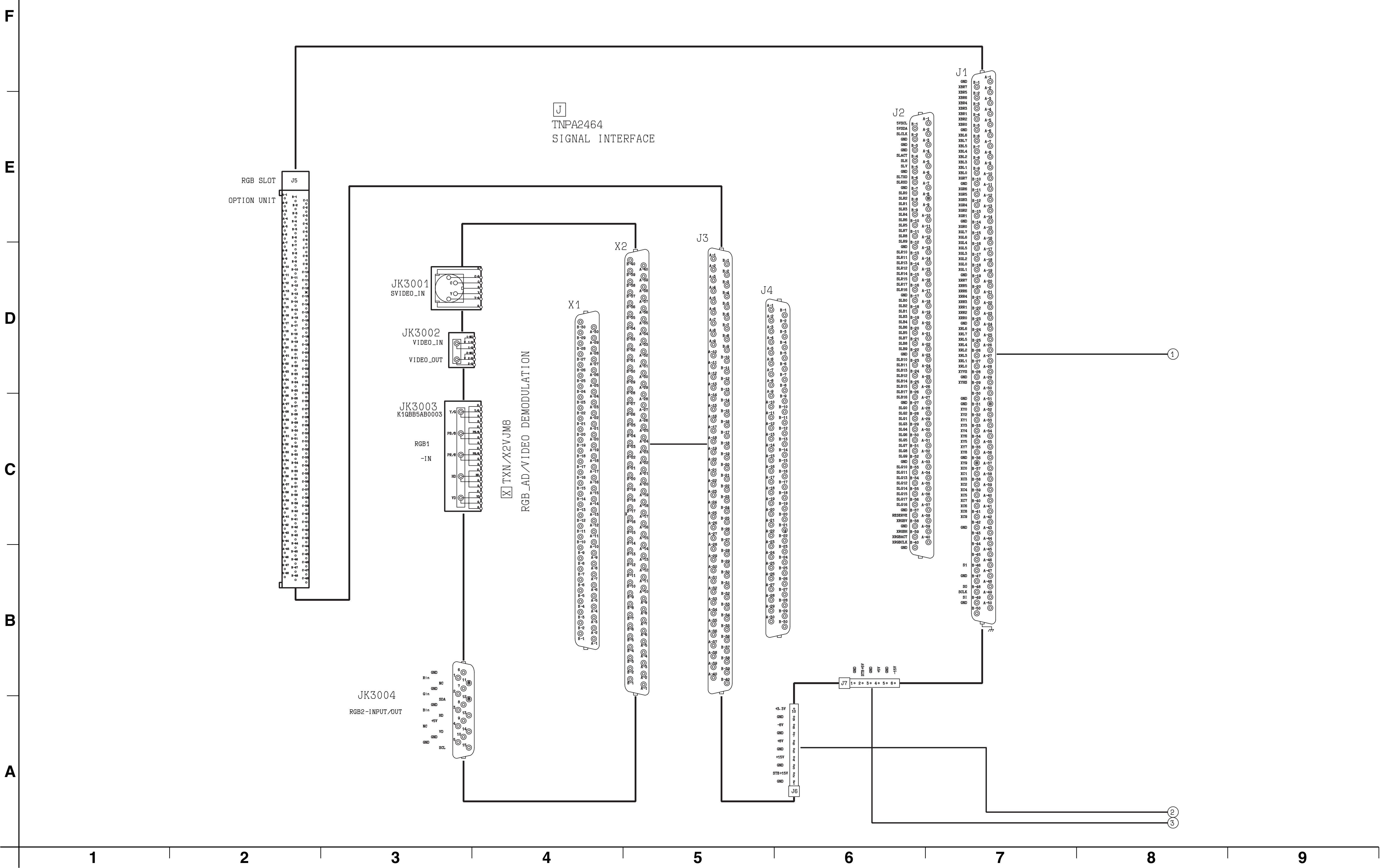
C

B

A

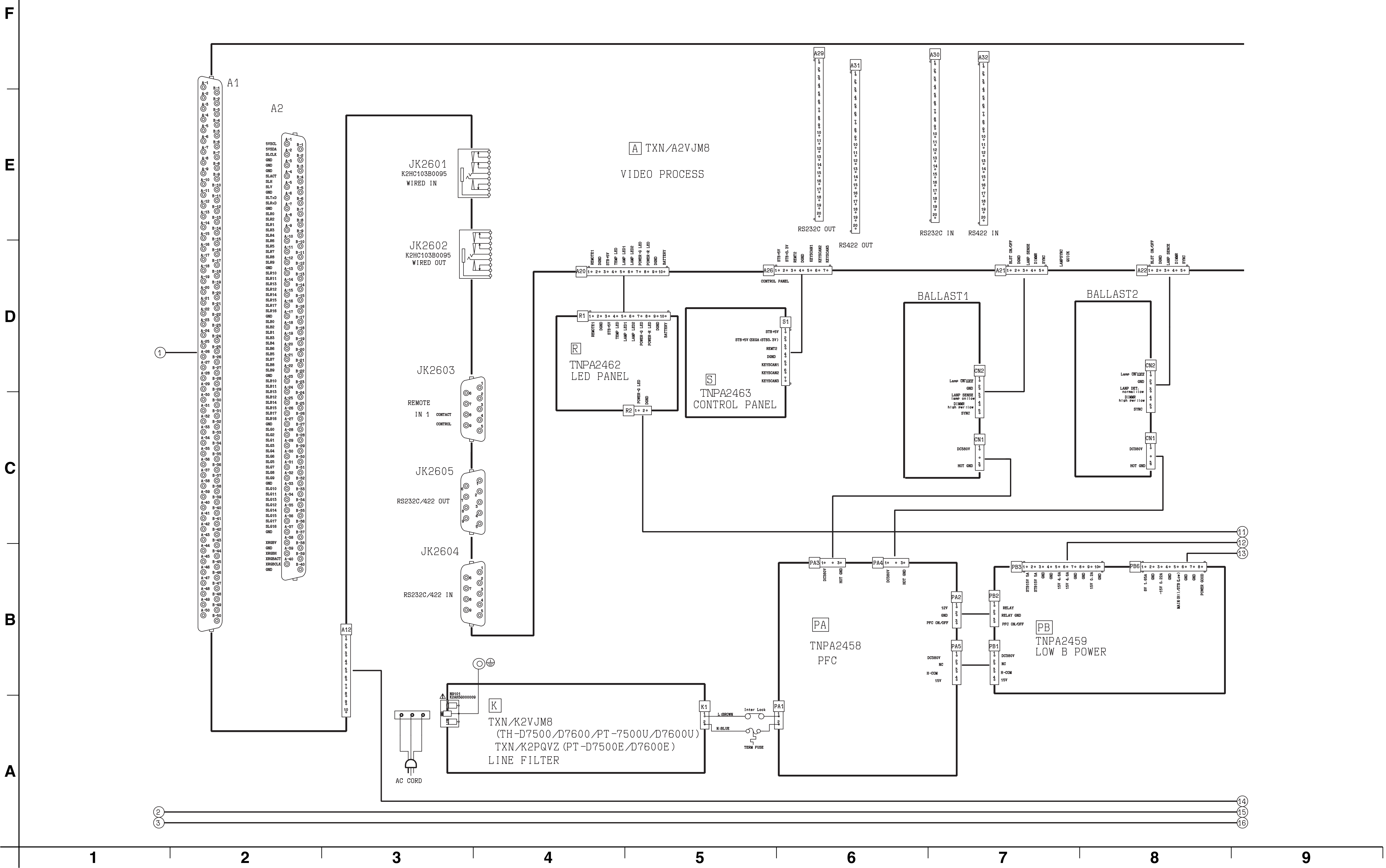
1 2 3 4 5 6 7 8 9

INTERCONNECTION BLOCK DIAGRAM (1/3)

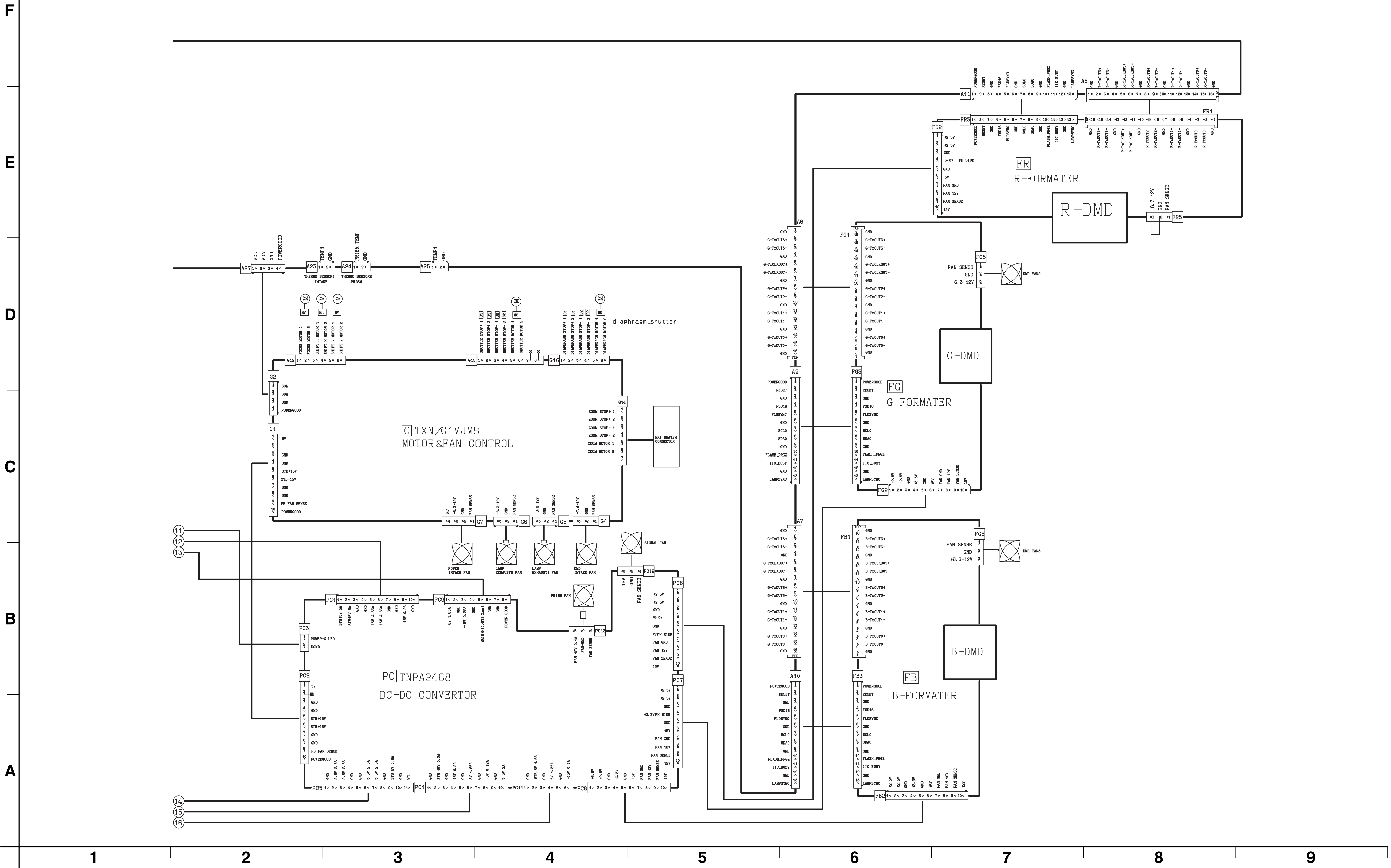


J
TNPA2464
SIGNAL INTERFACE
RGB SLOT
OPTION UNIT
J5
JK3001
SVIDEO_IN
JK3002
VIDEO_IN
VIDEO_OUT
JK3003
K1QBB5AB0003
RGB1
-IN
X
TXN/X2VJM8
RGB_AD/VIDEO DEMODULATION
JK3004
RGB2-INPUT/OUT
X1
X2
J3
J4
J2
J1
J6
J7
GND
STB+15V
GND
+5V
GND
-15V
+3.3V
GND
-5V
GND
+5V
GND
+15V
GND
STB+15V
GND
①
②
③
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

INTERCONNECTION BLOCK DIAGRAM (2/3)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
A1
A2
JK2601
K2HC103B0095
WIRED IN
JK2602
K2HC103B0095
WIRED OUT
JK2603
REMOTE
IN 1
CONTACT
CONTROL
JK2605
RS232C/422 OUT
JK2604
RS232C/422 IN
A TXN/A2VJM8
VIDEO PROCESS
A29
A31
A30
A32
RS232C OUT
RS422 OUT
RS232C IN
RS422 IN
A20
A26
CONTROL PANEL
A21
A22
R1
R2
R TNPA2462
LED PANEL
S1
S TNPA2463
CONTROL PANEL
BALLAST1
BALLAST2
CN2
CN1
A12
K TXN/K2VJM8
(TH-D7500/D7600/PT-7500U/D7600U)
TXN/K2PQVZ(PT-D7500E/D7600E)
LINE FILTER
AC CORD
K1
L:BROWN
N:BLUE
Inter Lock
TERM FUSE
PA1
PA3
PA4
PA2
PA5
PA TNPA2458
PFC
PB3
PB6
PB2
PB1
PB TNPA2459
LOW B POWER
①
②
③
⑪
⑫
⑬
⑭
⑮
⑯

INTERCONNECTION BLOCK DIAGRAM (3/3)

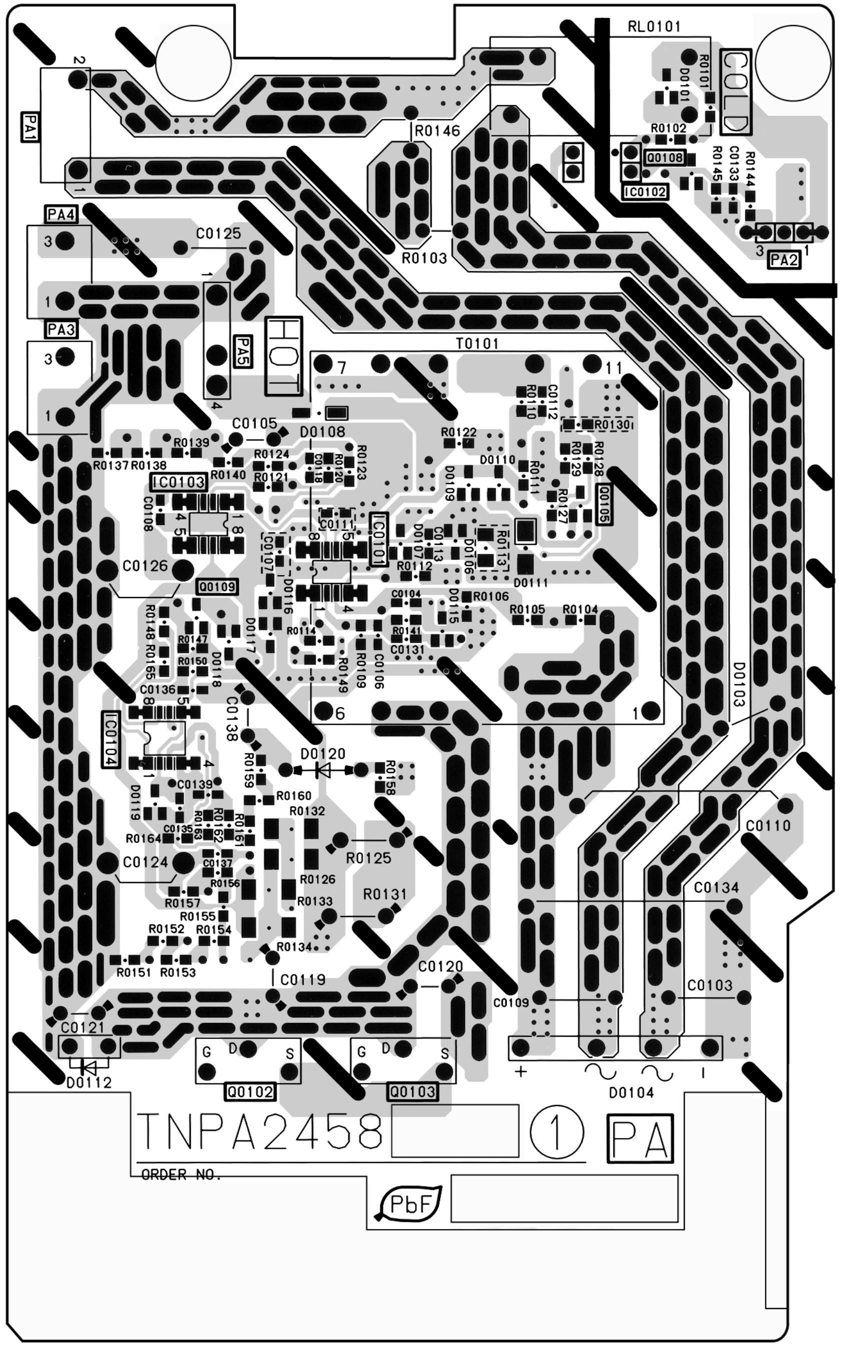


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
A27
SCL
SDA
GND
POWERGOOD
A23
TEMP1
GND
THERMO SENSOR1
INTAKE
A24
PRISM TEMP
GND
THERMO SENSOR2
PRISM
A25
TEMP1
GND
MF
MH
MV
FOCUS MOTOR 1
FOCUS MOTOR 2
SHIFT H MOTOR 1
SHIFT H MOTOR 2
SHIFT V MOTOR 1
SHIFT V MOTOR 2
G12
MS
SHUTTER STOP+ 1
SHUTTER STOP+ 2
SHUTTER STOP- 1
SHUTTER STOP- 2
SHUTTER MOTOR 1
SHUTTER MOTOR 2
G15
MD
DIAPHRAGM STOP+ 1
DIAPHRAGM STOP+ 2
DIAPHRAGM STOP- 1
DIAPHRAGM STOP- 2
DIAPHRAGM MOTOR 1
DIAPHRAGM MOTOR 2
G16
diaphragm_shutter
G2
SCL
SDA
GND
POWERGOOD
G1
5V
GND
GND
STB+15V
STB+15V
GND
GND
PB FAN SENSE
POWERGOOD
G TXN/G1VJM8
MOTOR&FAN CONTROL
G14
ZOOM STOP+ 1
ZOOM STOP+ 2
ZOOM STOP- 1
ZOOM STOP- 2
ZOOM MOTOR 1
ZOOM MOTOR 2
MN1 DRAWER CONNECTOR
G7
NC
+6.3-12V
GND
FAN SENSE
G6
+6.3-12V
GND
FAN SENSE
G5
+6.3-12V
GND
FAN SENSE
G4
+7.4-12V
GND
FAN SENSE
POWER INTAKE FAN
LAMP EXHAUST2 FAN
LAMP EXHAUST1 FAN
DMD INTAKE FAN
SIGNAL FAN
PC12
12V
GND
FAN SENSE
PRISM FAN
PC13
FAN 12V 0.1A
FAN-GND
FAN SENSE
⑪
⑫
⑬
PC1
STB15V 5A
STB15V 5A
15V 4.65A
15V 4.65A
GND
GND
15V 0.2A
GND
PC9
8V 1.65A
GND
-15V 0.22A
GND
MAIN(Hi)/STB(Low)
GND
GND
POWER GOOD
PC3
POWER-G LED
DGND
PC2
5V
GND
GND
STB+15V
STB+15V
GND
GND
PB FAN SENSE
POWERGOOD
PC TNPA2468
DC-DC CONVERTOR
PC6
+2.5V
+2.5V
GND
+3.3V
GND
+5V PH SIDE
FAN GND
FAN 12V
FAN SENSE
12V
PC7
+2.5V
+2.5V
GND
+3.3V PH SIDE
GND
+5V
FAN GND
FAN 12V
FAN SENSE
12V
PC5
GND
2.5V 2.5A
2.5V 2.5A
GND
GND
3.3V 2.5A
3.3V 2.5A
GND
STB 5V 0.6A
GND
NC
PC4
GND
STB 15V 0.2A
GND
15V 0.2A
GND
8V 1.65A
GND
-8V 0.12A
GND
3.3V 2A
PC11
GND
STB 5V 1.6A
GND
5V 1.35A
GND
-15V 0.1A
PC8
+2.5V
+2.5V
GND
+3.3V
GND
+5V
FAN GND
FAN 12V
FAN SENSE
12V
⑭
⑮
⑯
A11
POWERGOOD
RESET
GND
FSD16
FLDSYNC
GND
SCL0
SDA0
GND
FLASH_PRGZ
IIC_BUSY
GND
LAMPSYNC
A8
GND
R-TxOUT3+
R-TxOUT3-
GND
R-TxCLKOUT+
R-TxCLKOUT-
GND
R-TxOUT2+
R-TxOUT2-
GND
R-TxOUT1+
R-TxOUT1-
GND
R-TxOUT0+
R-TxOUT0-
GND
FR3
FR1
FR2
+2.5V
+2.5V
GND
+3.3V PH SIDE
GND
+5V
FAN GND
FAN 12V
FAN SENSE
12V
FR
R-FORMATER
R-DMD
+6.3-12V
GND
FAN SENSE
FR5
A6
GND
G-TxOUT3+
G-TxOUT3-
GND
G-TxCLKOUT+
G-TxCLKOUT-
GND
G-TxOUT2+
G-TxOUT2-
GND
G-TxOUT1+
G-TxOUT1-
GND
G-TxOUT0+
G-TxOUT0-
GND
TOP
FG1
FG5
FAN SENSE
GND
+6.3-12V
DMD FAN2
G-DMD
A9
POWERGOOD
RESET
GND
FSD16
FLDSYNC
GND
SCL0
SDA0
GND
FLASH_PRGZ
IIC_BUSY
GND
LAMPSYNC
FG3
FG
G-FORMATER
FG2
+2.5V
+2.5V
GND
+3.3V
GND
+5V
FAN GND
FAN 12V
FAN SENSE
12V
A7
GND
B-TxOUT3+
B-TxOUT3-
GND
B-TxCLKOUT+
B-TxCLKOUT-
GND
B-TxOUT2+
B-TxOUT2-
GND
B-TxOUT1+
B-TxOUT1-
GND
B-TxOUT0+
B-TxOUT0-
GND
FB1
FG5
FAN SENSE
GND
+6.3-12V
DMD FAN3
B-DMD
A10
POWERGOOD
RESET
GND
FSD16
FLDSYNC
GND
SCL0
SDA0
GND
FLASH_PRGZ
IIC_BUSY
GND
LAMPSYNC
FB3
FB
B-FORMATER
FB2
+2.5V
+2.5V
GND
+3.3V
GND
+5V
FAN GND
FAN 12V
FAN SENSE
12V

PA-P.C.Board TNPA2458
(Foil Side)

PA-P.C.Board (Foil Side)			
IC		TRANSISTOR	
IC0101	C-2	Q0102	A-1
IC0102	D-3	Q0103	A-2
IC0103	C-1	Q0105	C-3
IC0104	C-1	Q0108	E-3
		Q0109	C-1

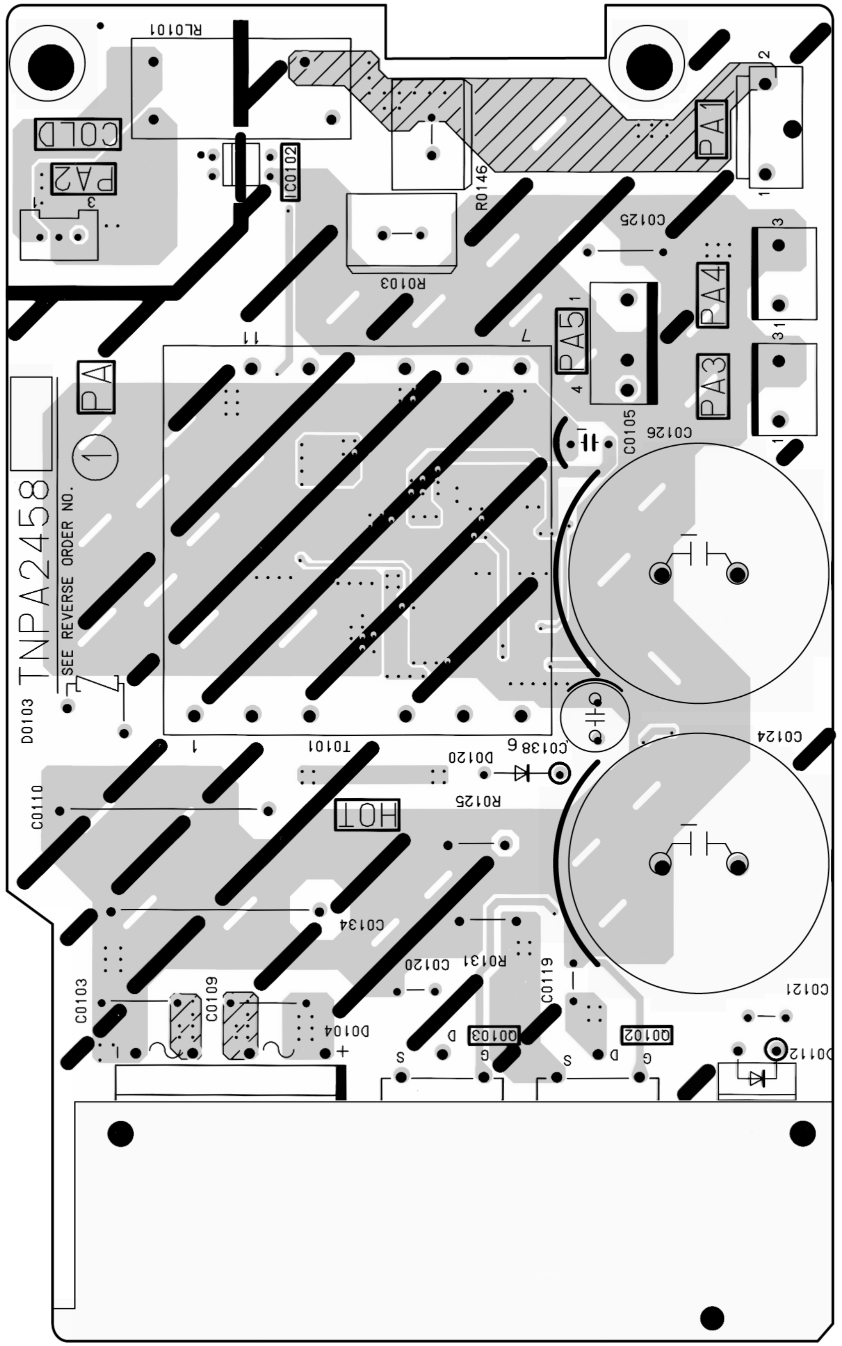
ADDRESS INFORMATION


RL0101
COLD
PA1
PA2
PA3
PA4
PA5
HOT
R0146
R0103
C0125
T0101
IC0102
Q0108
IC0103
IC0101
IC0104
Q0109
C0126
C0124
C0105
D0108
D0103
D0120
C0110
C0134
C0103
C0119
C0120
C0109
C0121
D0112
D0104
Q0102
Q0103
R0125
R0131
TNPA2458
ORDER NO.
PA
PbF

PA-P.C.Board TNPA2458
(Component Side)

PA-P.C.Board (Component Side)			
IC		TRANSISTOR	
IC0102	E-5	Q0102	B-7
		Q0103	B-6

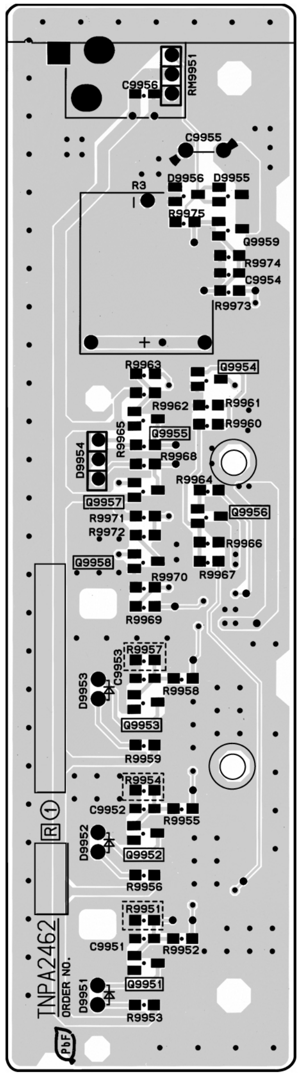
ADDRESS INFORMATION


RL0101
COLD
PA2
PA1
IC0102
R0146
R0103
C0125
PA4
PA5
PA3
PA
C0105
C0126
T0101
TNPA2458
SEE REVERSE ORDER NO.
D0103
C0138
D0120
C0124
R0125
HOT
C0110
C0134
R0131
C0120
C0119
C0121
C0103
C0109
D0104
Q0103
Q0102
D0112

R-P.C.Board
TNPA2462
(Foil Side)

R-P.C.Board (Foil Side)	
TRANSISTOR	
Q9951	A-9
Q9952	A-9
Q9953	B-9
Q9954	C-9
Q9955	C-9
Q9956	B-9
Q9957	C-9
Q9958	B-9
Q9959	C-9

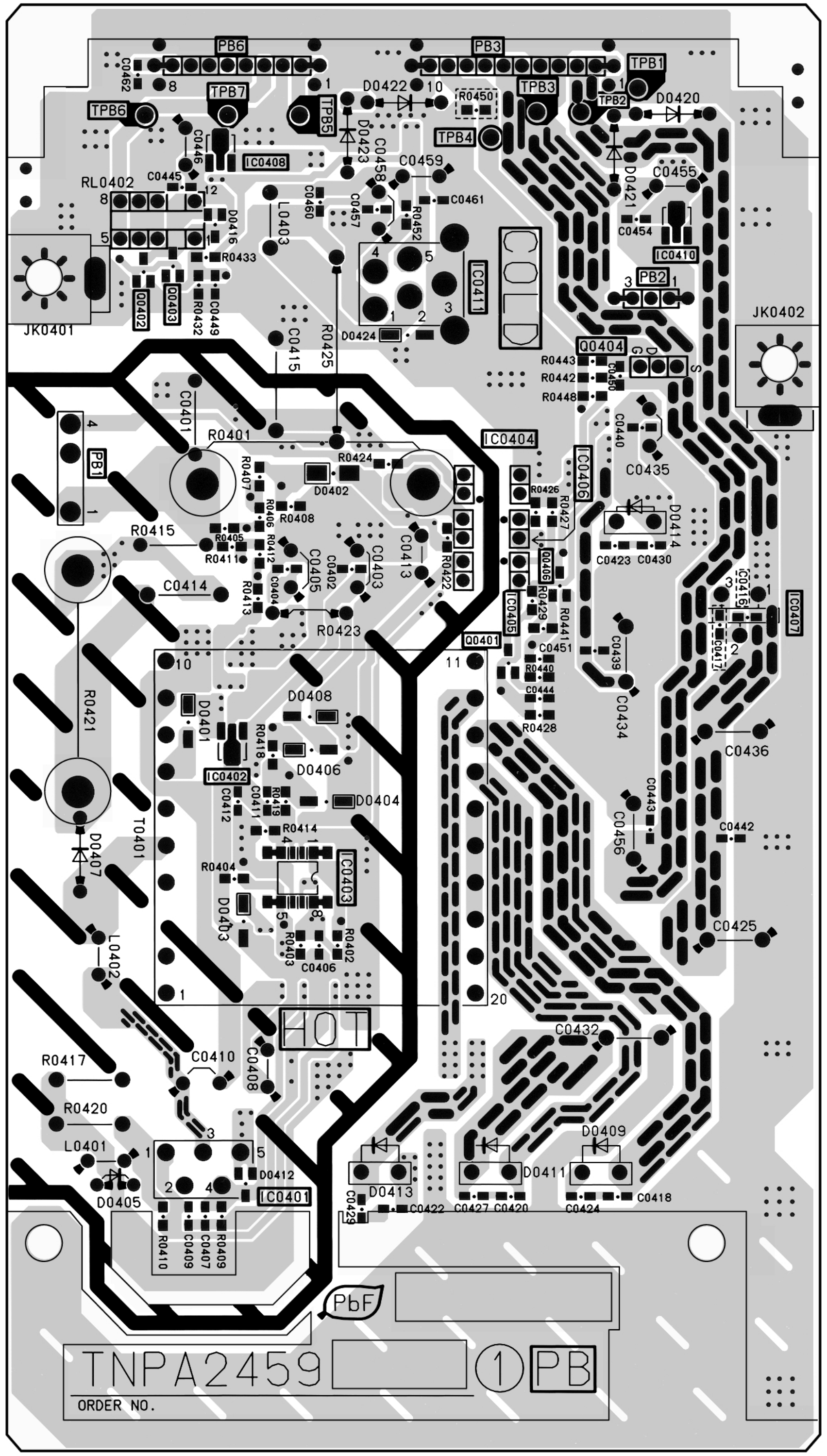
ADDRESS INFORMATION


C9956
RM9951
C9955
R3
D9956
D9955
R9975
Q9959
R9974
C9954
R9973
R9963
Q9954
R9962
R9961
R9960
R9965
Q9955
D9954
R9968
R9964
Q9957
Q9956
R9971
R9972
R9966
Q9958
R9970
R9967
R9969
R9957
C9953
D9953
R9958
Q9953
R9959
R9954
C9952
R9955
D9952
Q9952
R9956
R9951
C9951
R9952
D9951
Q9951
R9953
TNPA2462
ORDER NO.
R①
PbF

F
E
D
C
B
A

1 2 3 4 5 6 7 8 9

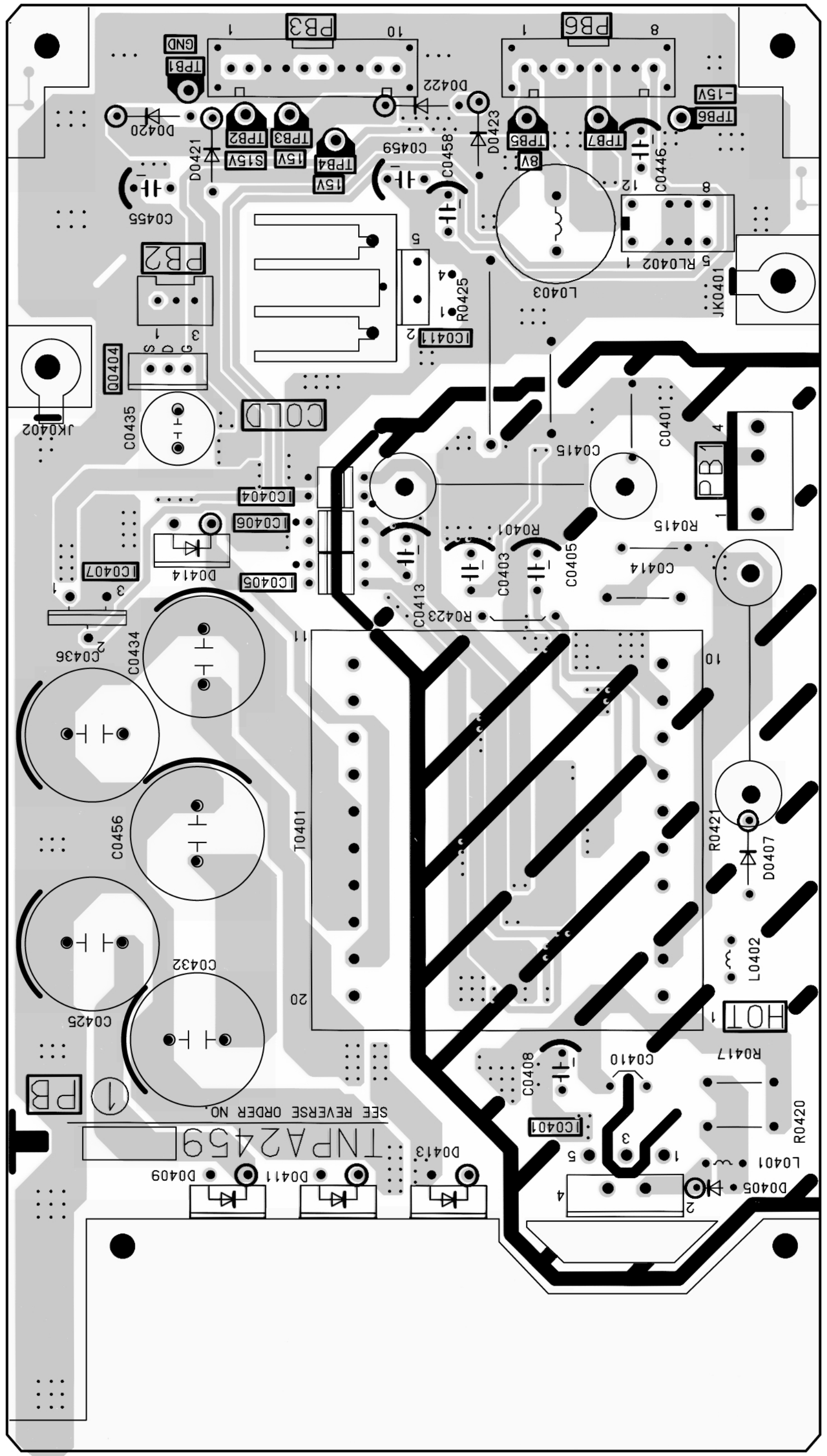
PB-P.C.Board TNPA2459 (Foil Side)


PB6
PB3
TPB1
TPB2
TPB3
TPB4
TPB5
TPB6
TPB7
RL0402
JK0401
JK0402
IC0401
IC0402
IC0404
IC0405
IC0406
IC0407
IC0408
IC0410
IC0411
Q0401
Q0404
PB1
PB2
T0401
COLD
HOT
TNPA2459
ORDER NO.
PB
PbF

PB-P.C.Board (Foil Side)	
IC	
IC0401	B-2
IC0402	C-1
IC0403	C-2
IC0404	D-2
IC0405	C-2
IC0406	D-3
IC0407	C-3
IC0408	E-2
IC0410	E-3
IC0411	E-2
TRANSISTOR	
Q0401	C-2
Q0402	E-1
Q0403	E-1
Q0404	D-3
Q0406	D-2
TPB	
TPB1	E-3
TPB2	E-3
TPB3	E-2
TPB4	E-2
TPB5	E-2
TPB6	E-1
TPB7	E-1

ADDRESS INFORMATION

PB-P.C.Board TNPA2459 (Component Side)


PB3
PB6
GND
TPB1
TPB2
TPB3
TPB4
TPB5
TPB6
TPB7
S15V
15V
8V
-15V
RL0402
JK0401
JK0402
PB2
PB1
IC0411
IC0404
IC0405
IC0406
IC0407
IC0401
Q0404
T0401
COLD
HOT
SEE REVERSE ORDER NO.
TNPA2459
PB

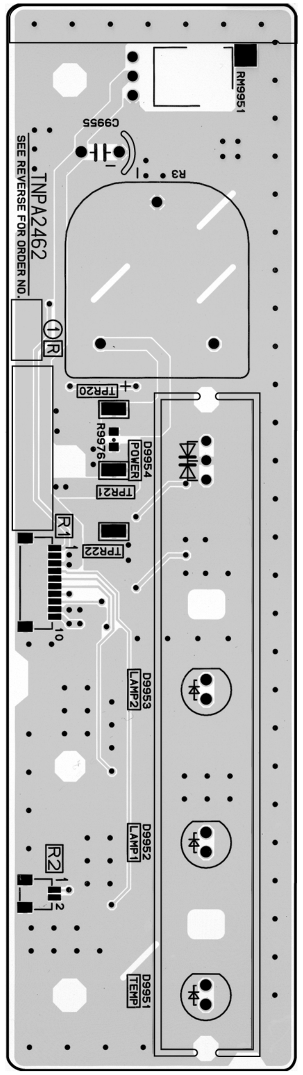
PB-P.C.Board (Component Side)	
IC	
IC0401	B-6
IC0404	D-5
IC0405	D-5
IC0406	D-5
IC0407	D-5
IC0411	D-6
TRANSISTOR	
Q0404	D-5
TPB	
TPB1	E-5
TPB2	E-5
TPB3	E-5
TPB4	E-6
TPB5	E-6
TPB6	E-7
TPB7	E-7

ADDRESS INFORMATION

R-P.C.Board TNPA2462 (Component Side)

R-P.C.Board (Component Side)	
TPR	
TPR20	C-9
TPR21	C-9
TPR22	B-9

ADDRESS INFORMATION


TNPA2462
SEE REVERSE FOR ORDER NO.
R
TPR20
TPR21
TPR22
D9954 POWER
D9953 LAMP2
D9952 LAMP1
D9951 TEMP
R1
R2
R3
C9955
RM9951

F
E
D
C
B
A

1 2 3 4 5 6 7 8 9

F

E

D

C

B

A

PC-P.C.Board TNPA2468
(Foil Side)

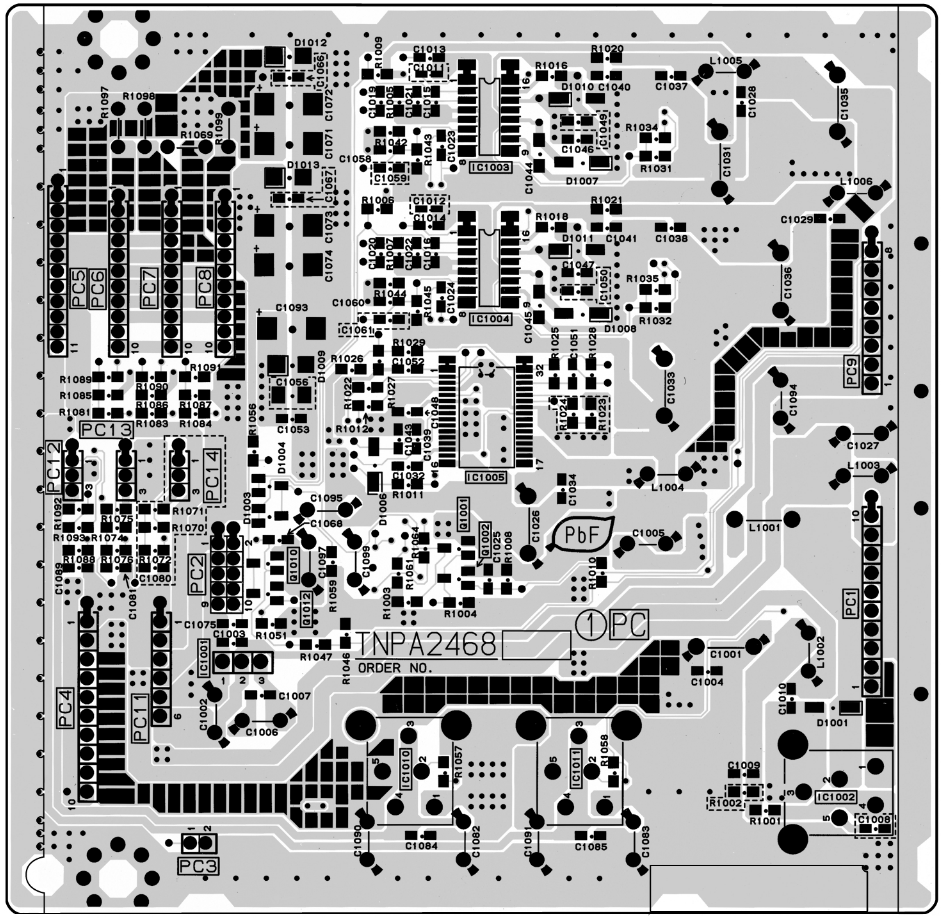
PC-P.C.Board (Foil Side)			
IC		TRANSISTOR	
IC1001	A-1	Q1001	B-2
IC1002	A-3	Q1002	B-2
IC1003	C-2	Q1010	B-2
IC1004	C-2	Q1012	B-2
IC1005	B-2		
IC1010	A-2		
IC1011	A-2		

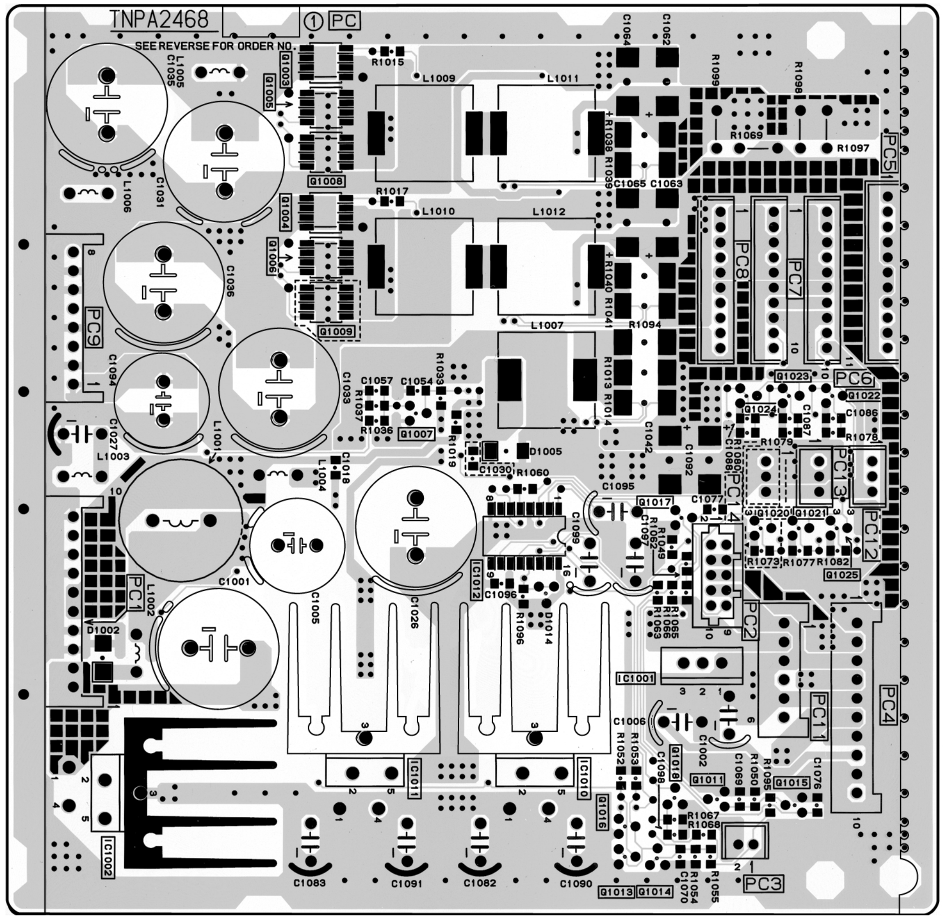
ADDRESS INFORMATION

PC-P.C.Board TNPA2468
(Component Side)

PC-P.C.Board (Component Side)					
IC					
IC1001	A-8	Q1003	C-6	Q1015	A-8
IC1002	A-6	Q1004	C-6	Q1016	A-7
IC1010	A-7	Q1005	C-6	Q1017	B-8
IC1011	A-7	Q1006	C-6	Q1018	A-8
IC1012	B-7	Q1007	B-7	Q1021	B-8
		Q1008	C-7	Q1022	B-8
		Q1011	A-8	Q1023	B-8
		Q1013	A-8	Q1024	B-8
		Q1014	A-8	Q1025	B-8

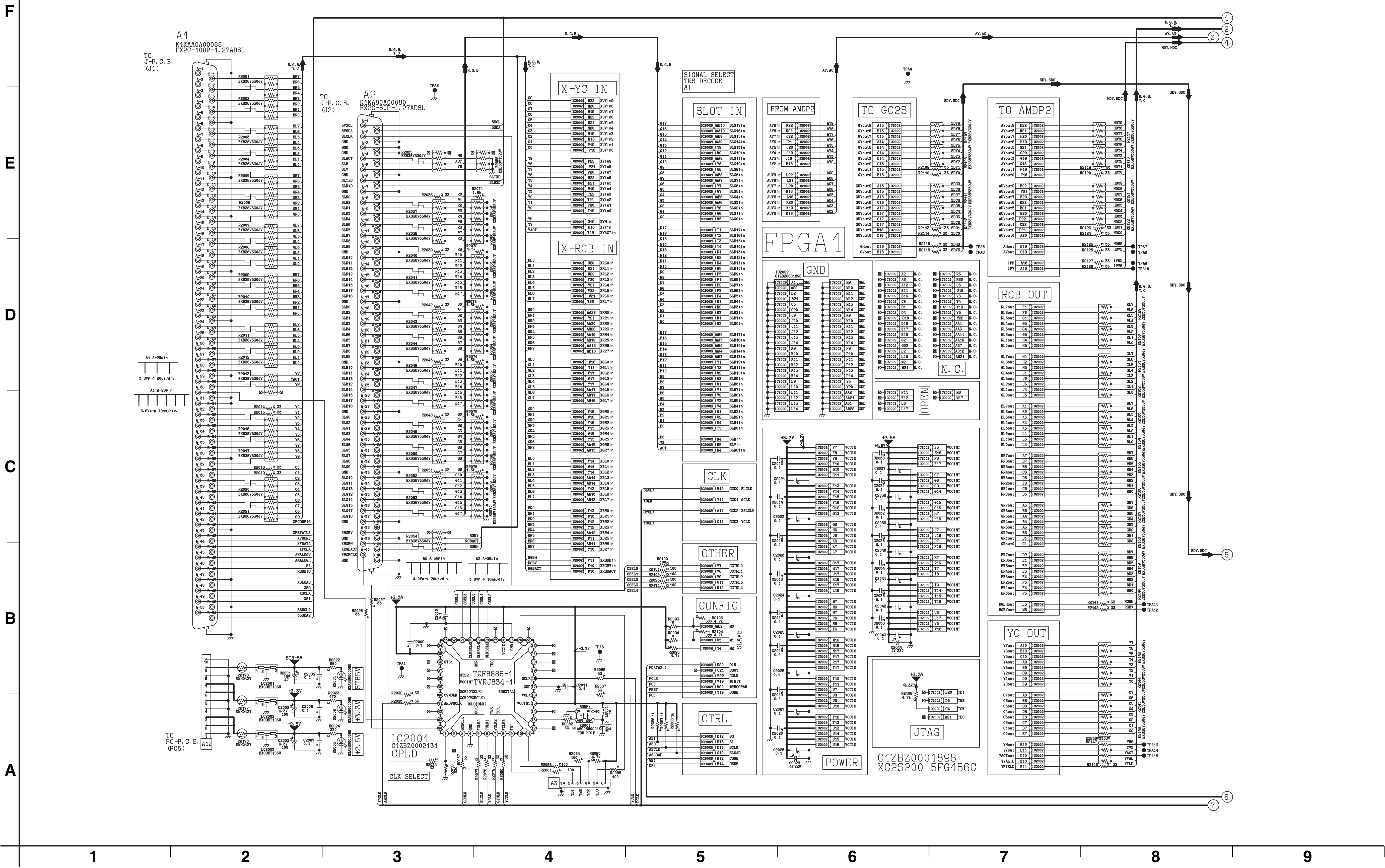
ADDRESS INFORMATION


TNPA2468
ORDER NO.
①PC
PbF
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
PC11
PC12
PC13
PC14
IC1001
IC1002
IC1003
IC1004
IC1005
IC1010
IC1011

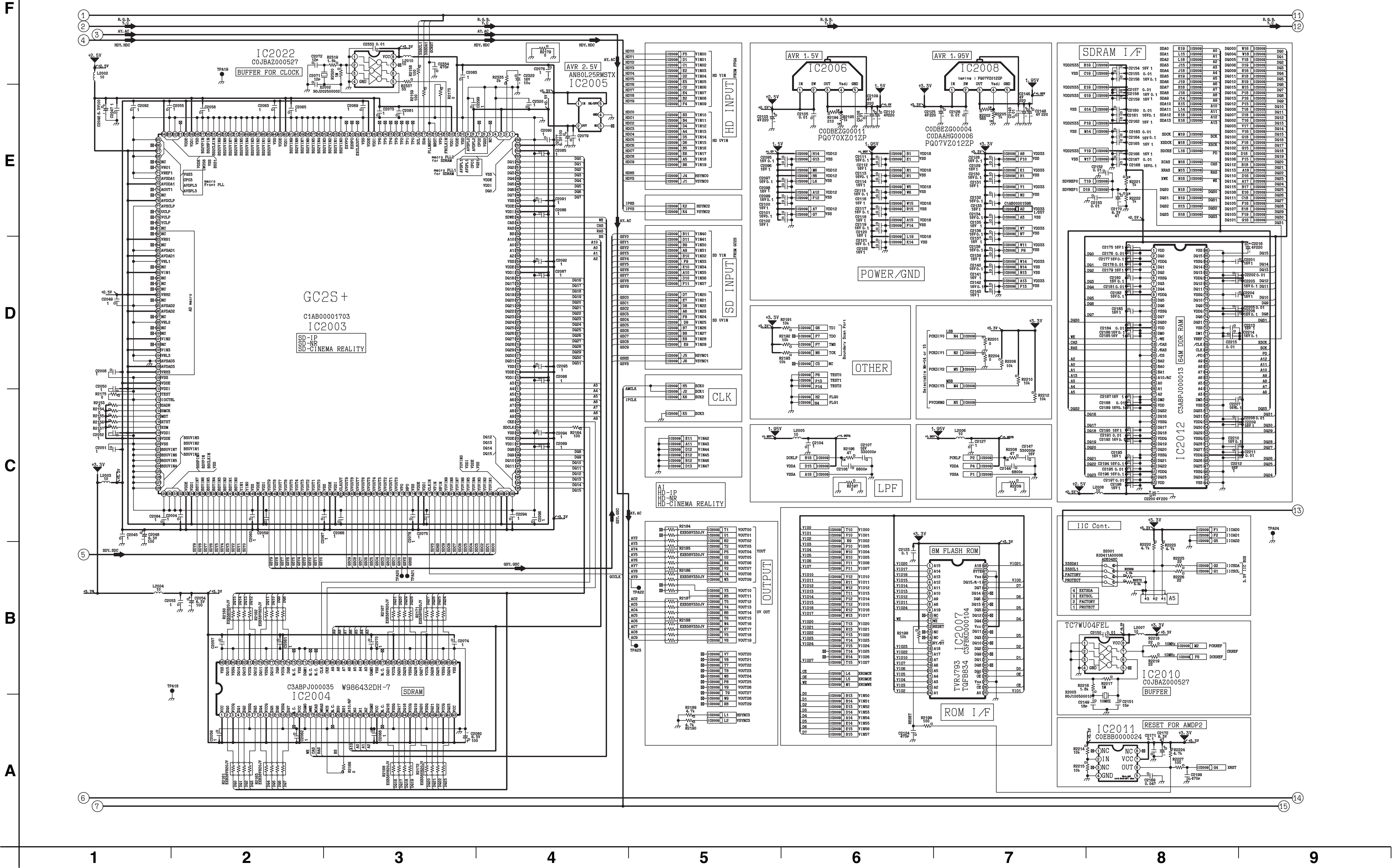

TNPA2468
①PC
SEE REVERSE FOR ORDER NO.
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
PC11
PC12
PC13
IC1001
IC1002
IC1010
IC1011
IC1012

1 2 3 4 5 6 7 8 9

A - P. C. Board TXN/A2VJM8 (1/7)

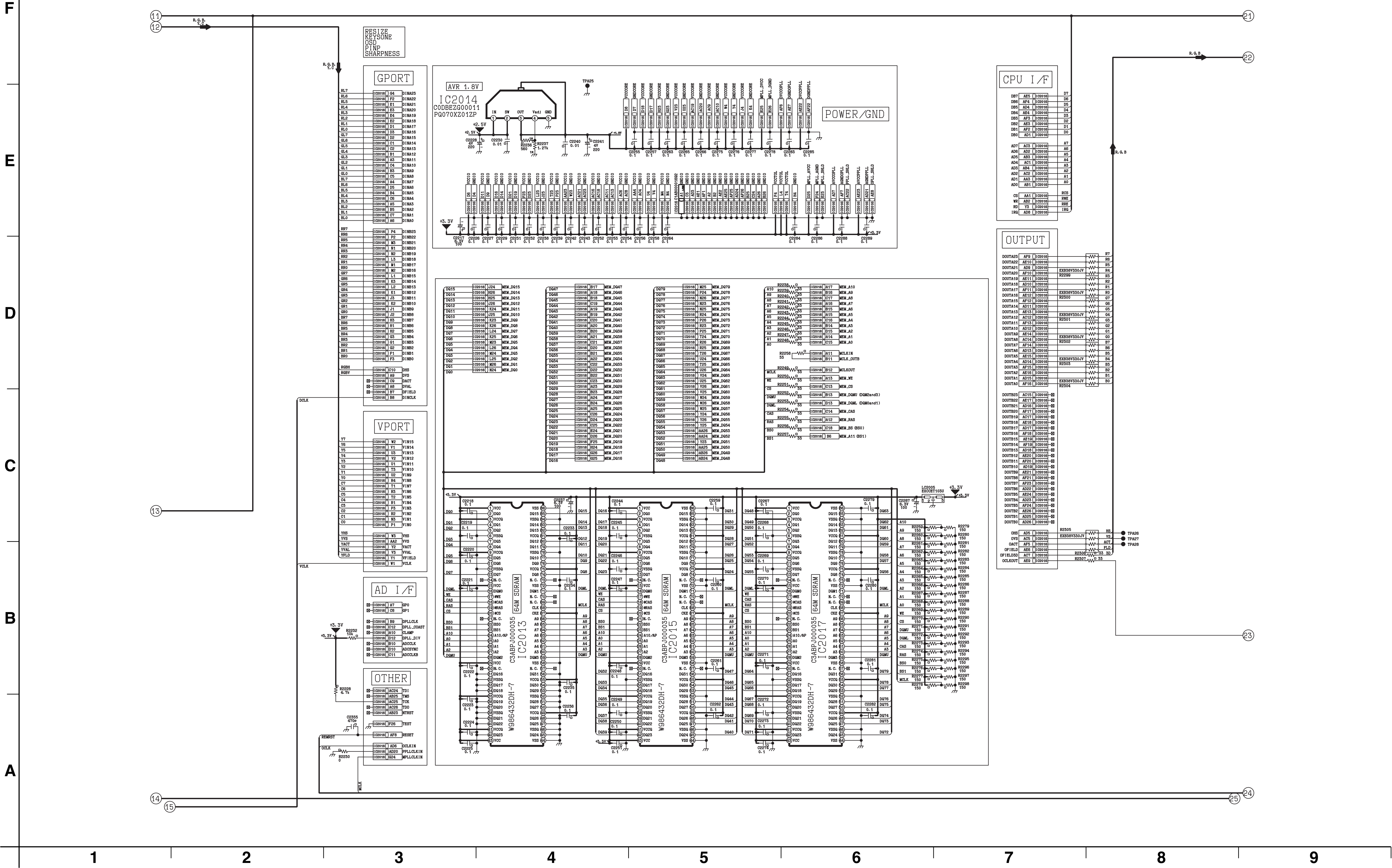

F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
A1
K1KAA0A00088
FX2C-100P-1.27ADSL
TO
J-P.C.B.
(J1)
A2
K1KA80A00080
FX2C-80P-1.27ADSL
TO
J-P.C.B.
(J2)
X-YC IN
X-RGB IN
SIGNAL SELECT
TRS DECODE
AI
SLOT IN
FROM AMDP2
TO GC2S
TO AMDP2
FPGA1
GND
N.C.
OPEN
RGB OUT
YC OUT
CLK
OTHER
CONFIG
SLAVE
CTRL
POWER
JTAG
C1ZBZ0001898
XC2S200-5FG456C
IC2002
C1ZBZ0001898
IC2001
C1ZBZ0002131
CPLD
TQFB886-1
TVRJ834-1
CLK SELECT
X2001
H1AB0580001
FOR HDIP
A3
TO
PC-P.C.B.
(PC5)
A12
STB+5V
+3.3V
+2.5V
STB5V
+3.3V
+2.5V
R.G.B.
Y.C
R.G.B
AY.AC
HDY.HDC
SDY.SDC
TPA1
TPA2
TPA3
TPA4
A1 A-29pin
3.8Vp-p 20us/div
A1 A-28pin
3.8Vp-p 10ms/div.
A2 A-39pin
4.0Vp-p 20us/div.
A2 A-38pin
3.8Vp-p 10ms/div.
1
2
3
4
5
6
7

A - P. C. Board TXN/A2VJM8 (2/7)

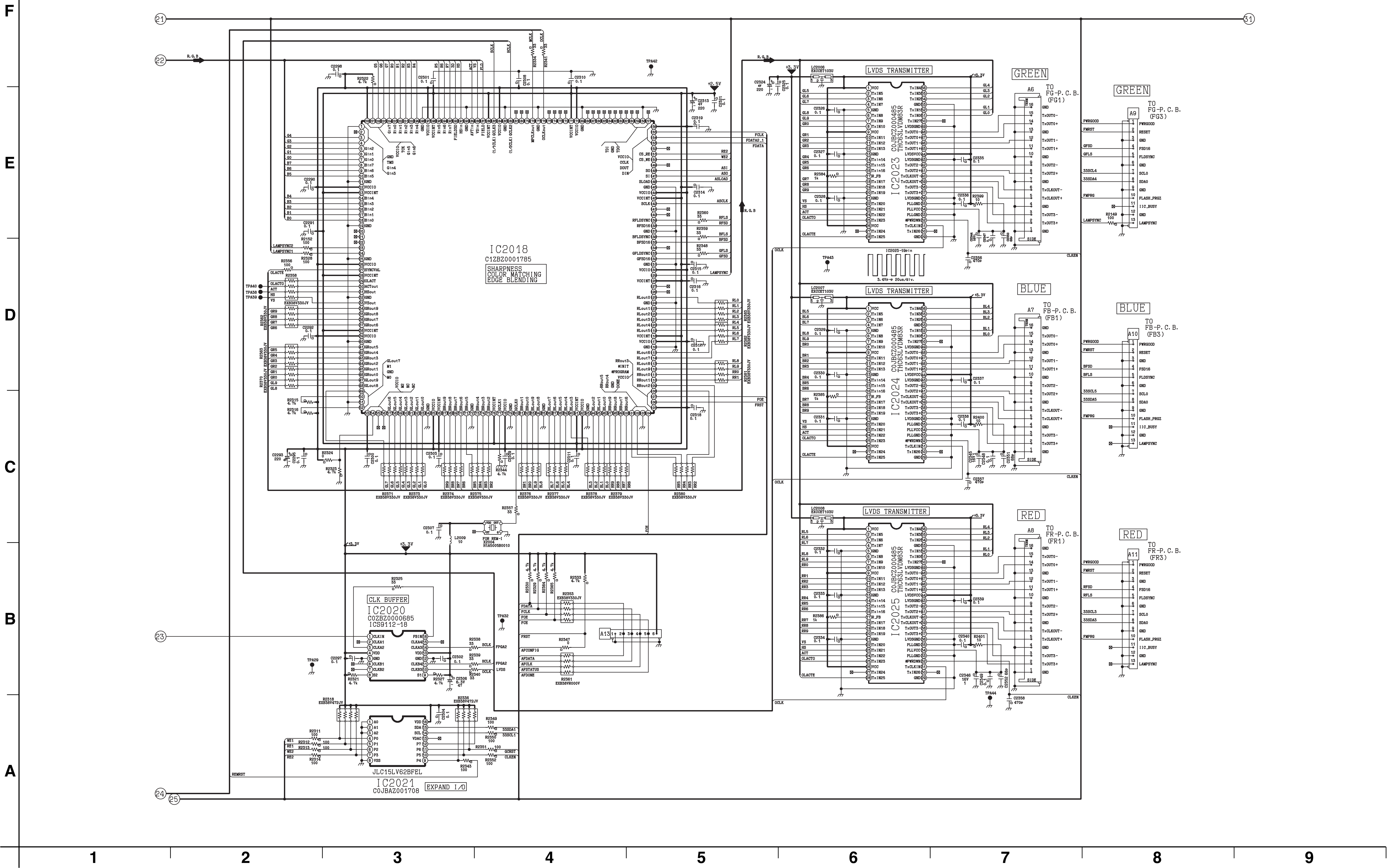


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
R.G.B. Y.C
AY.AC
HDY.HDC
SDY.SDC
GSY.GSC
GCCLK
IC2022
C0JBAZ000527
BUFFER FOR CLOCK
AVR 2.5V
AN80L25RMSTX
IC2005
GC2S+
C1AB00001703
IC2003
SD-IP
SD-NR
SD-CINEMA REALITY
AD macro
macro PLL2 for SDRAM
macro PLL1 for SDRAM
macro Front PLL
HD INPUT
HD YIN
HD UVIN
FROM FPGA
SD INPUT
SD YIN
SD UVIN
FROM GC2S
CLK
AI
HD-IP
HD-NR
HD-CINEMA REALITY
OUTPUT
YOUT
UV OUT
AVR 1.5V
IC2006
C0DBEZG00011
PQ070XZ01ZP
AVR 1.95V
IC2008
C0DBEZG00004
C0DAAHG00006
PQ07VZ012ZP
POWER/GND
OTHER
Boundary Scan Port
LPF
SDRAM I/F
IC2012
C3ABPJ000013
64M DDR RAM
C3ABPJ000035 W986432DH-7
IC2004
SDRAM
8M FLASH ROM
IC2007
TVRJ793
TQFB834
C3FBKD000104
ROM I/F
IIC Cont.
S2001
K0D411A00006
3.3V IIC BUS
1 PROTECT
2 FACTORY
3 EXTSCL
4 EXTSDA
TC7WU04FEL
IC2010
C0JBAZ000527
BUFFER
IC2011
C0EBB0000024
RESET FOR AMDP2
XRST
TPA18
TPA19
TPA20
TPA21
TPA22
TPA23
TPA24
X2002
X2003
10MHz
+2.5V
+3.3V
+1.5V
+1.95V

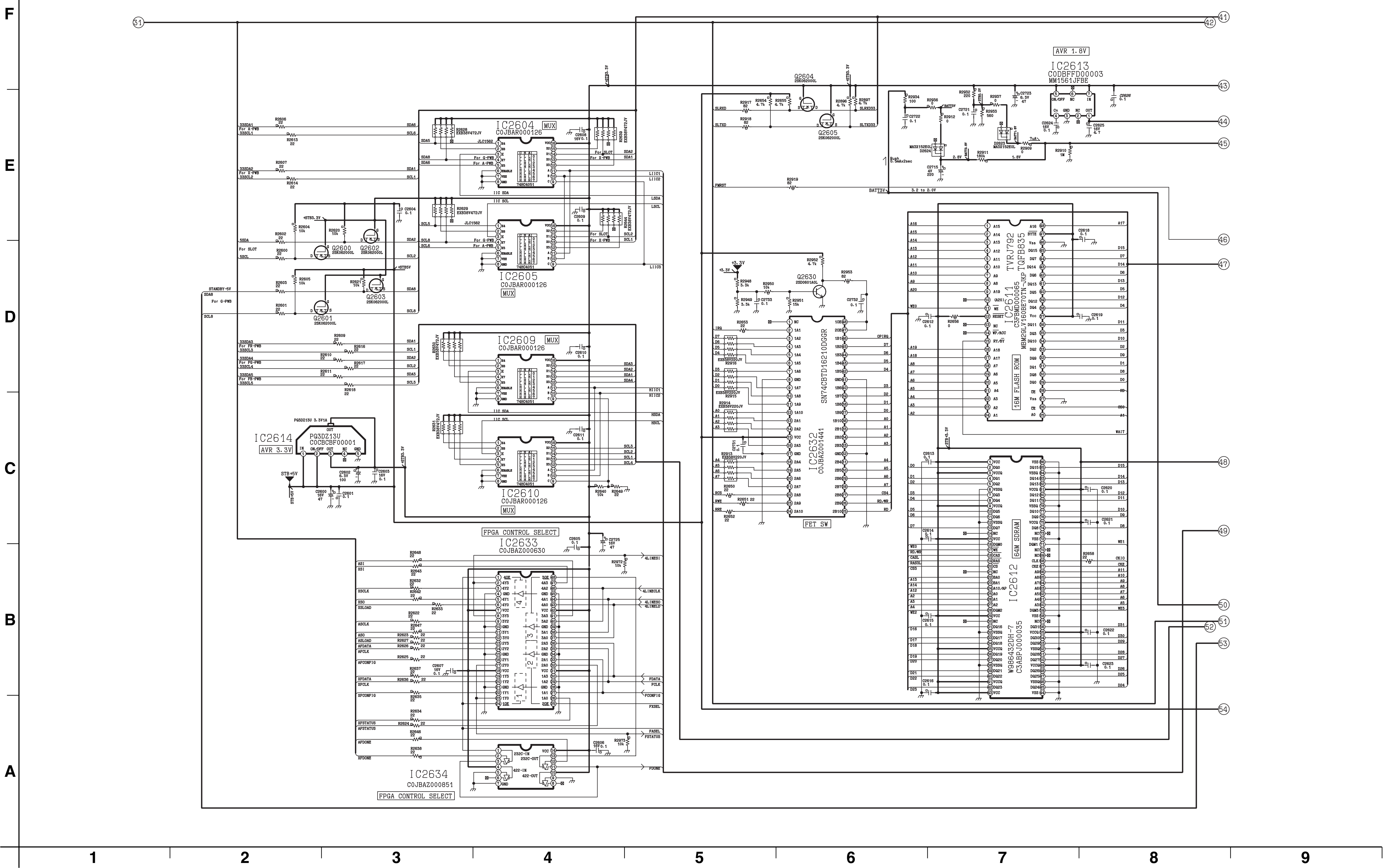
A - P. C. Board TXN/A2VJM8 (3/7)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
R.G.B. Y.C
RESIZE
KEYSONE
OSD
PINP
SHARPNESS
GPORT
VPORT
AD I/F
OTHER
AVR 1.8V
IC2014
C0DBEZG00011
PQ070XZ01ZP
IN
SW
OUT
Vadj
GND
+2.5V
+3.3V
TPA25
POWER/GND
CPU I/F
OUTPUT
EXB38V330JV
TPA26
TPA27
TPA28
R.G.B
DCLK
VCLK
REMRST
OCLK
MCLK
LC2005
EXCCET103U
64M SDRAM
C3ABPJ000035
IC2013
IC2015
IC2017
W986432DH-7
11
12
13
14
15
21
22
23
24
25

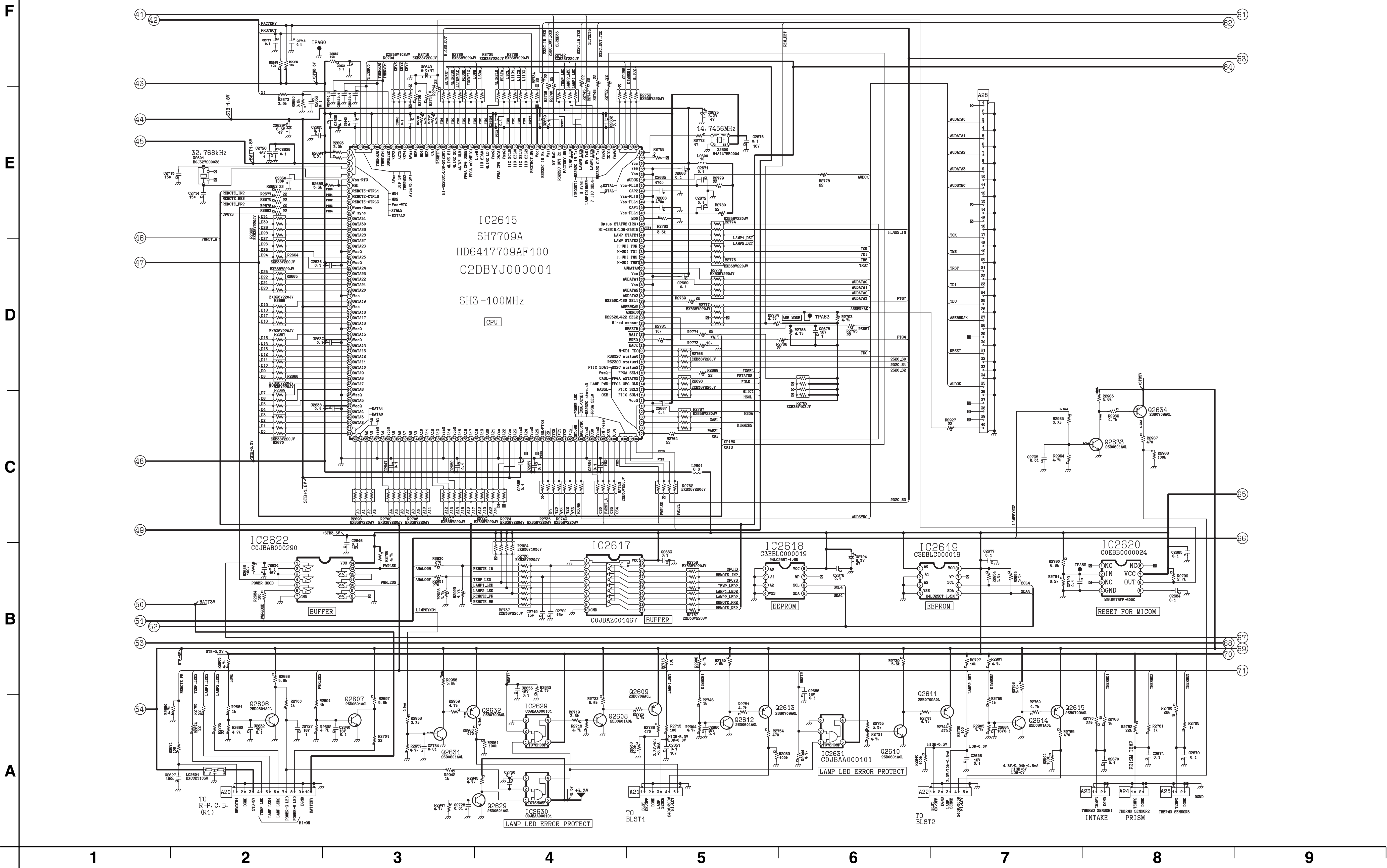
A - P. C. Board TXN/A2VJM8 (4/7)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
IC2018
C1ZBZ0001785
SHARPNESS
COLOR MATCHING
EDGE BLENDING
LVDS TRANSMITTER
IC2023
C0JBZ000485
THC63LVDM83R
LVDS TRANSMITTER
IC2024
C0JBZ000485
THC63LVDM83R
LVDS TRANSMITTER
IC2025
C0JBZ000485
THC63LVDM83R
GREEN
TO FG-P.C.B. (FG1)
A6
GREEN
TO FG-P.C.B. (FG3)
A9
BLUE
TO FB-P.C.B. (FB1)
A7
BLUE
TO FB-P.C.B. (FB3)
A10
RED
TO FR-P.C.B. (FR1)
A8
RED
TO FR-P.C.B. (FR3)
A11
CLK BUFFER
IC2020
C0ZBZ0000685
ICS9112-18
IC2021
C0JBAZ001708
JLC15LV62BFEL
EXPAND I/O
A13
FOR REM-I
X2004
H1A5005B0010
IC2023-19pin
3.4Vp-p 20us/div.
R.G.B
+3.3V
+2.5V
CLKEN
OLACTE
REMRST
21
22
23
24
25
31

A - P. C. Board TXN/A2VJM8 (5/7)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
IC2604
C0JBAR000126
MUX
74HC4051
IC2605
C0JBAR000126
MUX
IC2609
C0JBAR000126
MUX
IC2610
C0JBAR000126
MUX
IC2614
PQ3DZ13U
C0CBCBF00001
AVR 3.3V
Q2600
Q2601
Q2602
Q2603
2SK062000L
IC2633
C0JBAZ000630
FPGA CONTROL SELECT
IC2634
C0JBAZ000851
FPGA CONTROL SELECT
Q2604
Q2605
Q2630
2SD0601A0L
IC2632
C0JBAZ001441
SN74CBTD16210DGGR
FET SW
IC2613
C0DBFFD00003
MM1561JFBE
AVR 1.8V
IC2611
C3FBMD000065
MBM29LV160BE70TN-JKP
TVRJ792 TQFB835
16M FLASH ROM
IC2612
C3ABPJ000035
W986432DH-7
64M SDRAM
STANDBY-5V
STB+5V
STB3.3V
+3.3V
BATT3V
3.2 to 2.0V
FMRST
SLRXD
SLTXD
SLRXD33
SLTXD33
4LINESI
4LINECLK
4LINESO
4LINELD
FDATA
FCLK
FCONFIG
FXSEL
FASEL
FSTATUS
FDONE
31
41
42
43
44
45
46
47
48
49
50
51
52
53
54

A - P. C. Board TXN/A2VJM8 (6/7)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
IC2615
SH7709A
HD6417709AF100
C2DBYJ000001
SH3-100MHz
CPU
X2601
32.768kHz
H0J327200038
X2600
14.7456MHz
H1A1475B0004
TPA60
TPA63
TPA69
ASE MODE
A28
IC2622
C0JBAB000290
BUFFER
IC2617
C0JBAZ001467
BUFFER
IC2618
C3EBLC000019
24LC256T-I/SN
EEPROM
IC2619
C3EBLC000019
24LC256T-I/SN
EEPROM
IC2620
C0EBB0000024
M51957BFP-600C
RESET FOR MICOM
IC2629
C0JBAA000101
IC2630
C0JBAA000101
LAMP LED ERROR PROTECT
IC2631
C0JBAA000101
LAMP LED ERROR PROTECT
Q2606
2SD0601A0L
Q2607
2SD0601A0L
Q2608
2SD0601A0L
Q2609
2SB0709A0L
Q2610
2SD0601A0L
Q2611
2SB0709A0L
Q2612
2SD0601A0L
Q2613
2SB0709A0L
Q2614
2SD0601A0L
Q2615
2SB0709A0L
Q2629
2SD0601A0L
Q2631
2SD0601A0L
Q2632
2SB0709A0L
Q2633
2SD0601A0L
Q2634
2SB0709A0L
L2600
L2601
6.8
A20
TO
R-P.C.B.
(R1)
A21
TO
BLST1
A22
TO
BLST2
A23
THERMO SENSOR1
INTAKE
A24
THERMO SENSOR2
PRISM
A25
THERMO SENSOR3
DGND
STB+3.3V
STB+1.8V
BATT1.8V
BATT3V
+STB5V
AUDATA0
AUDATA1
AUDATA2
AUDATA3
AUDSYNC
AUDCK
TCK
TMS
TRST
TDI
TDO
ASEBRKAK
RESET
PTG7
PTG4
232C_S0
232C_S1
232C_S2
232C_S3
FACTORY
PROTECT
REMOTE_IN2
REMOTE_RE2
REMOTE_FR2
CPUVS
FWRST_A
POWER GOOD
PWRLED
PWRLED2
LAMPSYNC1
ANALOGH
ANALOGV
REMOTE_IN
TEMP_LED
LAMP1_LED
LAMP2_LED
REMOTE_FR
REMOTE_RE
SCL4
SDA4
HI-ON
41
42
43
44
45
46
47
48
49
50
51
52
53
54
61
62
63
64
65
66
67
68
69
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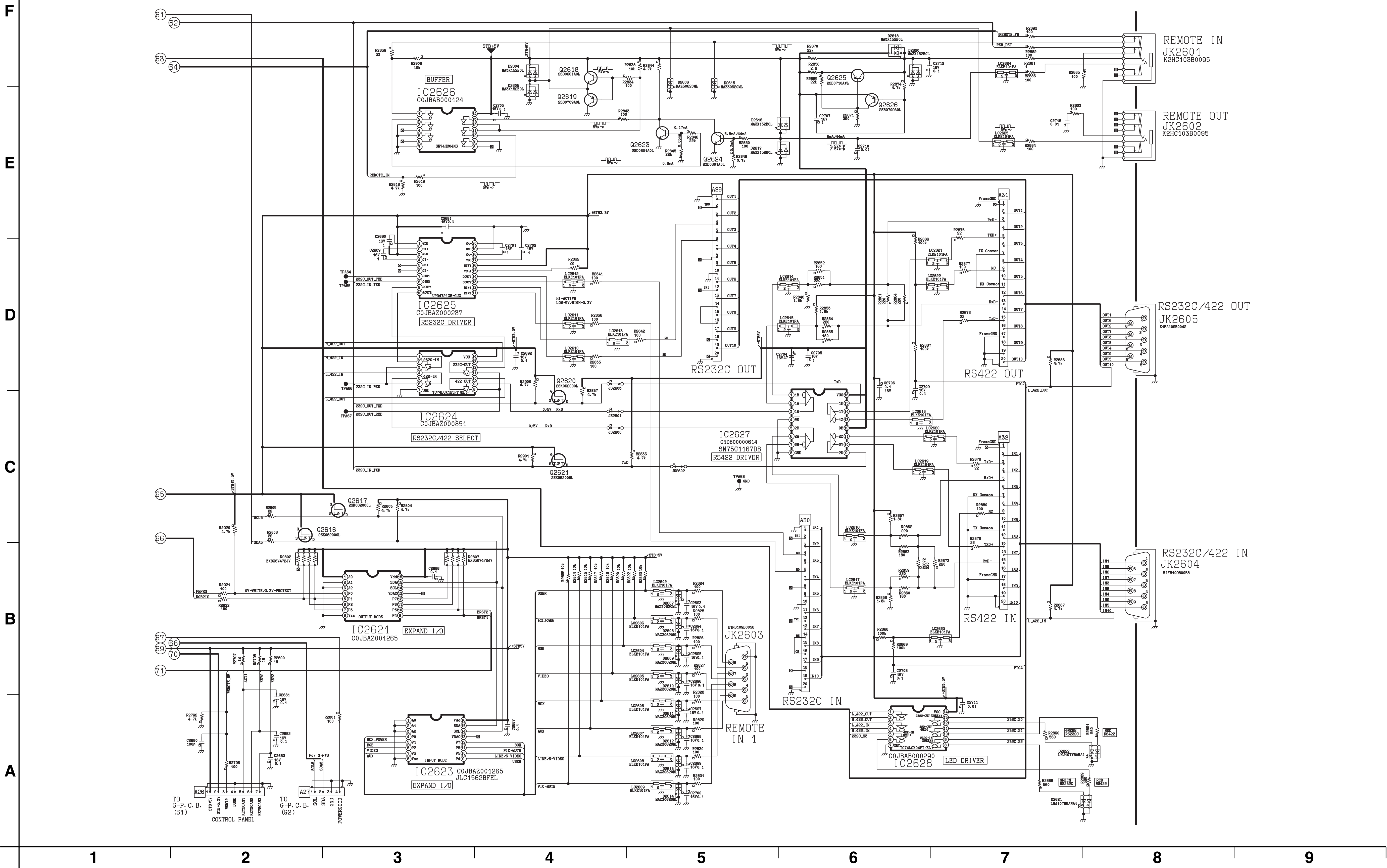
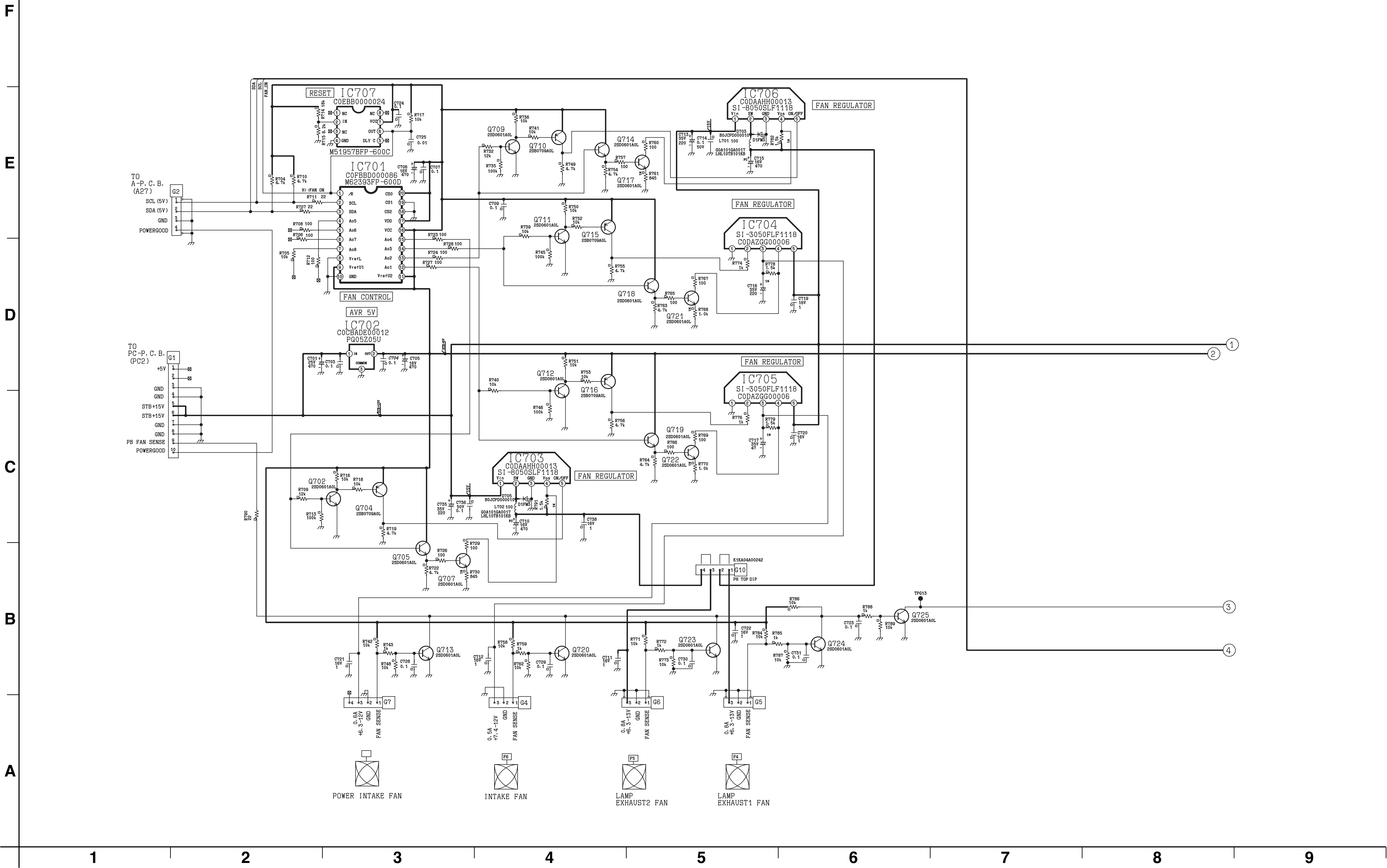
71

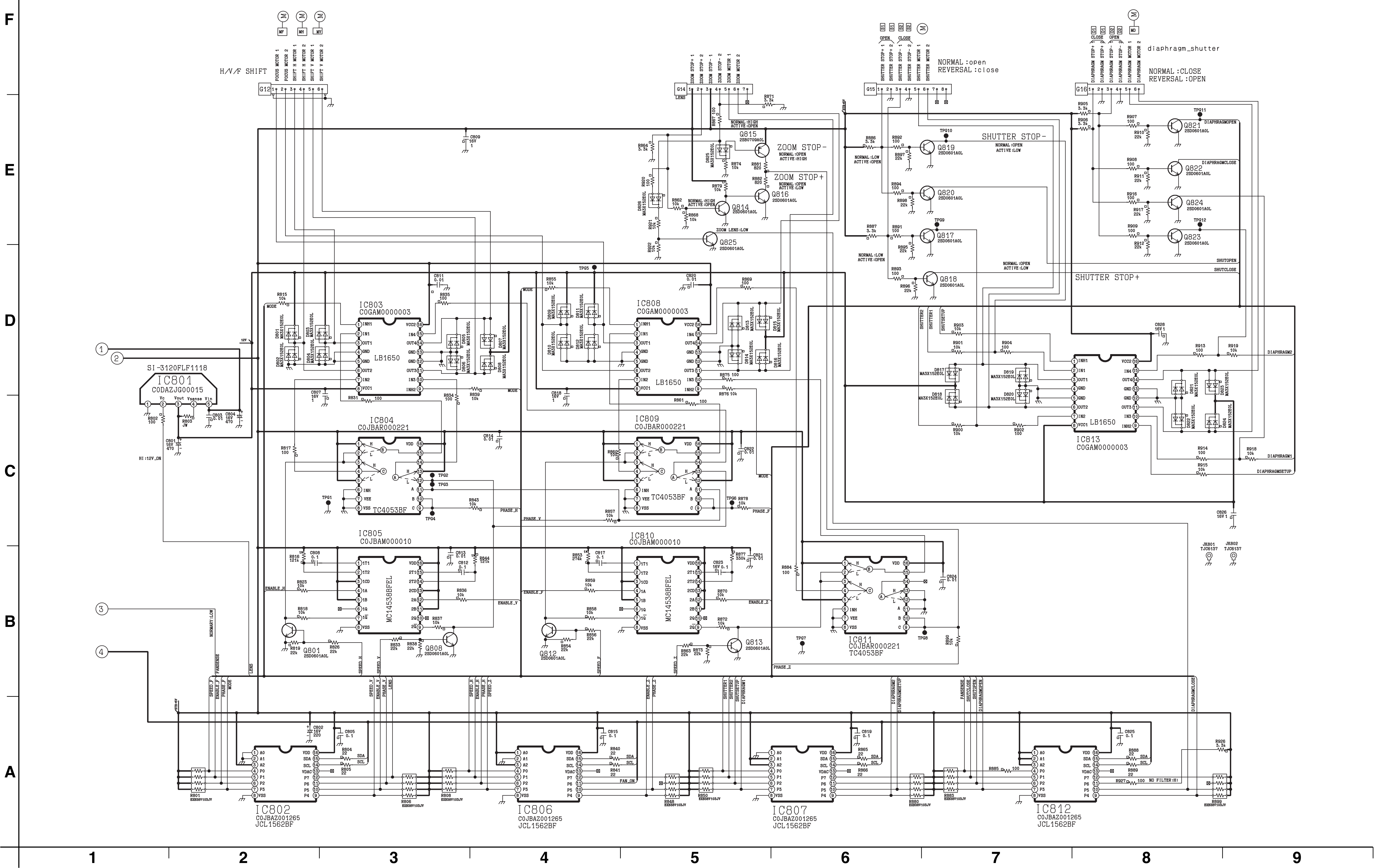
A - P. C. Board TXN/A2VJM8 (7/7)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
BUFFER
IC2626
C0JBAB000124
SN74HC04NS
Q2618
2SD0601A0L
Q2619
2SB0709A0L
Q2623
2SD0601A0L
Q2624
2SD0601A0L
Q2625
2SB0710AWL
Q2626
2SB0709A0L
D2604
MA3X152E0L
D2605
MA3X152E0L
D2606
MAZ30620ML
D2615
MAZ30620ML
D2616
MA3X152E0L
D2617
MA3X152E0L
D2618
MA3X152E0L
D2620
MA3X152E0L
REMOTE_IN
REMOTE_FR
REM_DET
STB+5V
REMOTE IN
JK2601
K2HC103B0095
REMOTE OUT
JK2602
K2HC103B0095
+STB3.3V
IC2625
C0JBAZ000237
UPD4721GS-GJG
RS232C DRIVER
TPA64
TPA65
232C_OUT_TXD
232C_IN_TXD
HI=ACTIVE
LOW=5V/HIGH=3.3V
A29
RS232C OUT
A31
RS422 OUT
FrameGND
RxD-
TxD+
TX Common
NC
RX Common
RxD+
TxD-
H_422_OUT
H_422_IN
L_422_IN
L_422_OUT
TPA66
232C_IN_RXD
232C_OUT_TXD
232C_OUT_RXD
TPA67
IC2624
C0JBAZ000851
TC74LCX125FT
RS232C/422 SELECT
Q2620
2SK062000L
Q2621
2SK062000L
JS2603
JS2601
JS2600
JS2602
TPA68
GND
IC2627
C1DB00000614
SN75C1167DB
RS422 DRIVER
RS232C/422 OUT
JK2605
K1FA109B0042
A32
RS422 IN
RS232C/422 IN
JK2604
K1FB109B0058
Q2617
2SK062000L
Q2616
2SK062000L
SCL5
SDA5
FMPRG
RGB210
0V=WRITE/3.3V=PROTECT
EXB38V472JV
IC2621
C0JBAZ001265
EXPAND I/O
OUTPUT MODE
BRST2
BRST1
A30
RS232C IN
JK2603
K1FB109B0058
REMOTE IN 1
USER
BOX_POWER
RGB
VIDEO
BOX
AUX
LINE/S-VIDEO
PIC-MUTE
IC2623
C0JBAZ001265
JLC1562BFEL
INPUT MODE
EXPAND I/O
PIC-MUTE
IC2628
C0JBAB000290
TC74LCX04FT
LED DRIVER
232C_B0
232C_B1
232C_B2
GREEN RS232C
RED RS422
D2622
LNJ107W5ARA1
D2621
LNJ107W5ARA1
A26
TO S-P.C.B. (S1)
CONTROL PANEL
STB+5V
STB+3.3V
REMT2
DGND
KEYSCAN1
KEYSCAN2
KEYSCAN3
A27
TO G-P.C.B. (G2)
SCL
SDA
GND
POWERGOOD
For G-PWB
61
62
63
64
65
66
67
68
69
70
71

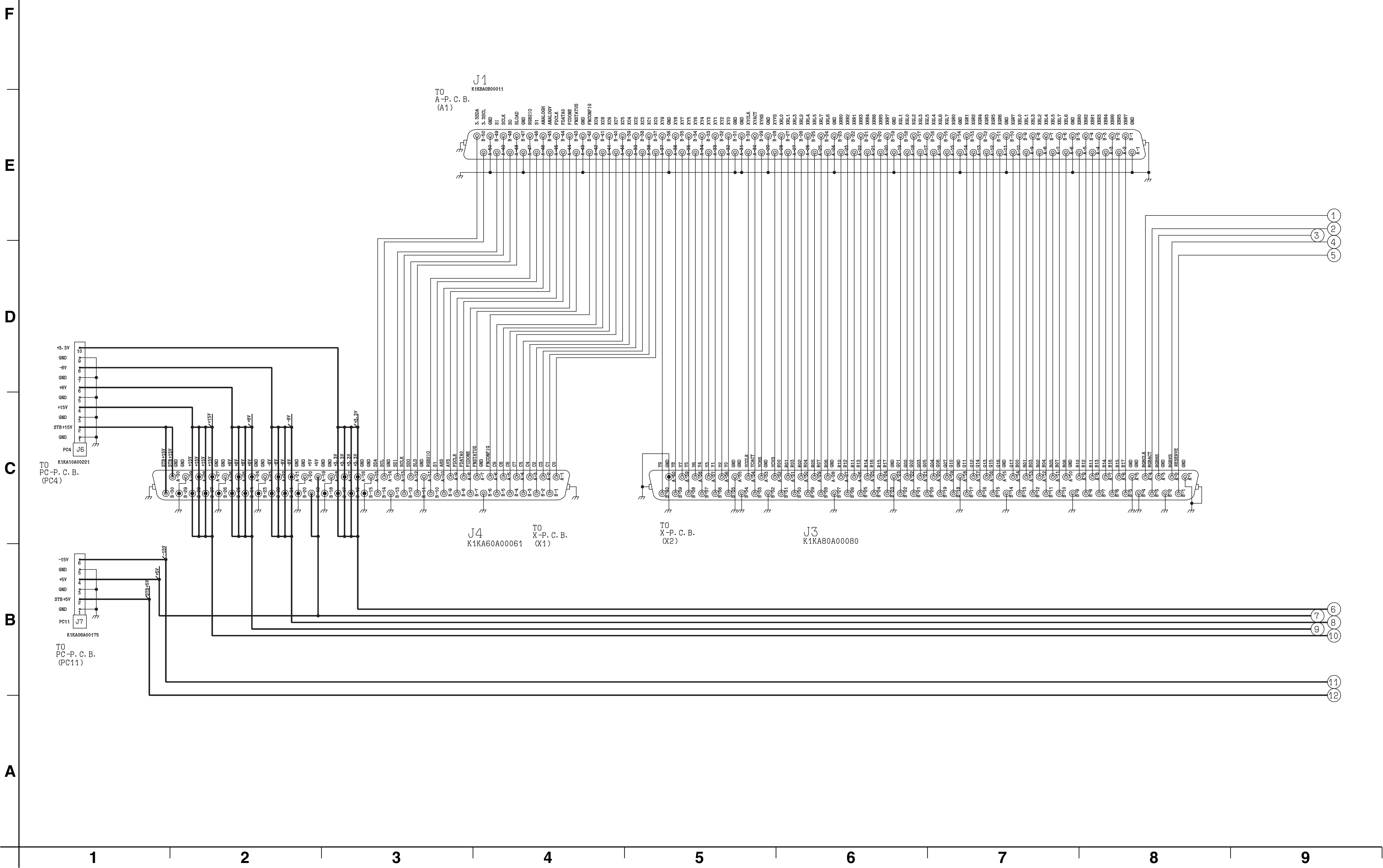
G - P. C. Board TXN/G1VJM8 (1/2)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
RESET
IC707
C0EBB0000024
M51957BFP-600C
IC701
C0FBBD000086
M62393FP-600D
FAN CONTROL
AVR 5V
IC702
C0CBADE00012
PQ05Z05U
IC706
C0DAAHH00013
SI-8050SLF1118
FAN REGULATOR
IC704
SI-3050FLF1118
C0DAZGG00006
IC705
SI-3050FLF1118
C0DAZGG00006
IC703
C0DAAHH00013
SI-8050SLF1118
TO A-P.C.B. (A27)
G2
SCL (5V)
SDA (5V)
GND
POWERGOOD
TO PC-P.C.B. (PC2)
G1
+5V
GND
STB+15V
PB FAN SENSE
H:FAN ON
Q702
Q704
Q705
Q707
Q709
Q710
Q711
Q712
Q713
Q714
Q715
Q716
Q717
Q718
Q719
Q720
Q721
Q722
Q723
Q724
Q725
2SD0601A0L
2SB0709A0L
TPG13
K1KA04A00242
G10
PH TOP DIP
L701 100
L702 100
D703
D705
B0JCPD000010
D1FM3
G0A101GA0017
LHL10TB101KB
G7
G4
G6
G5
0.6A +6.3-12V GND FAN SENSE
0.5A +7.4-12V GND FAN SENSE
0.8A +6.3-13V GND FAN SENSE
0.8A +6.3-13V GND FAN SENSE
POWER INTAKE FAN
F6
INTAKE FAN
F5
LAMP EXHAUST2 FAN
F4
LAMP EXHAUST1 FAN
①
②
③
④

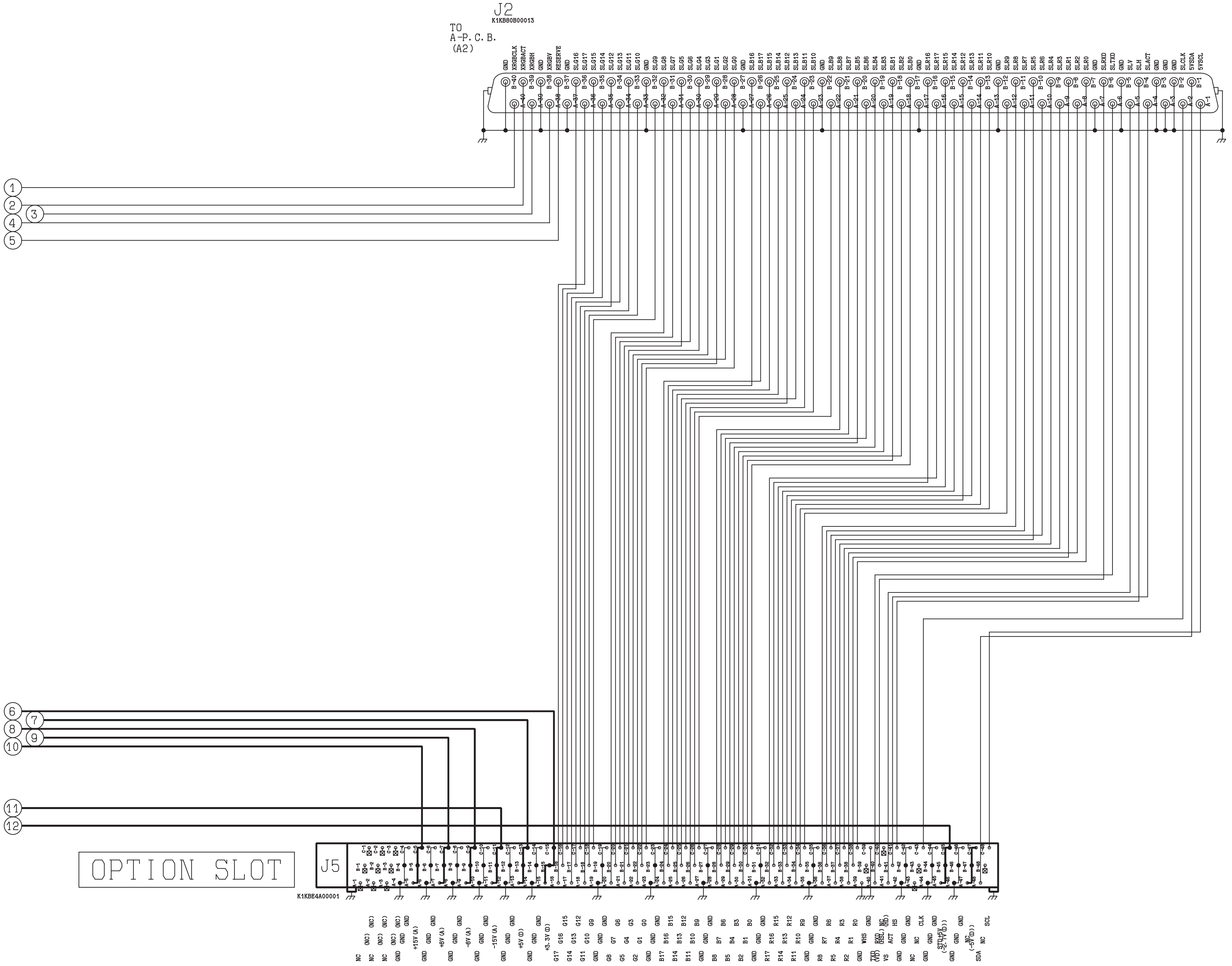
G - P. C. Board TXN/G1VJM8 (2/2)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
H/V/F SHIFT
G12
FOCUS MOTOR 1
FOCUS MOTOR 2
SHIFT H MOTOR 1
SHIFT H MOTOR 2
SHIFT V MOTOR 1
SHIFT V MOTOR 2
MF
MH
MV
G14
LENS
ZOOM STOP+ 1
ZOOM STOP+ 2
ZOOM STOP- 1
ZOOM STOP- 2
ZOOM MOTOR 1
ZOOM MOTOR 2
G15
SHUTTER STOP+ 1
SHUTTER STOP+ 2
SHUTTER STOP- 1
SHUTTER STOP- 2
SHUTTER MOTOR 1
SHUTTER MOTOR 2
OPEN
CLOSE
NORMAL:open
REVERSAL:close
G16
DIAPHRAGM STOP+ 1
DIAPHRAGM STOP+ 2
DIAPHRAGM STOP- 1
DIAPHRAGM STOP- 2
DIAPHRAGM MOTOR 1
DIAPHRAGM MOTOR 2
diaphragm_shutter
NORMAL:CLOSE
REVERSAL:OPEN
MD
ZOOM STOP-
ZOOM STOP+
ZOOM LENS:LOW
Q815
2SB0709A0L
Q816
Q814
Q825
2SD0601A0L
SHUTTER STOP-
SHUTTER STOP+
Q819
Q820
Q817
Q818
Q821
Q822
Q824
Q823
DIAPHRAGMOPEN
DIAPHRAGMCLOSE
SHUTOPEN
SHUTCLOSE
TPG5
TPG9
TPG10
TPG11
TPG12
IC801
SI-3120FLF1118
C0DAZJG00015
HI:12V_ON
IC803
C0GAM0000003
LB1650
IC808
C0GAM0000003
LB1650
IC813
C0GAM0000003
LB1650
DIAPHRAGM2
DIAPHRAGM1
DIAPHRAGMSETUP
IC804
C0JBAR000221
TC4053BF
IC809
C0JBAR000221
TC4053BF
IC811
C0JBAR000221
TC4053BF
TPG1
TPG2
TPG3
TPG4
TPG6
TPG7
TPG8
PHASE_H
PHASE_V
PHASE_F
PHASE_Z
MODE
IC805
C0JBAM000010
MC14538BFEL
IC810
C0JBAM000010
MC14538BFEL
ENABLE_H
ENABLE_V
ENABLE_F
ENABLE_Z
Q801
Q808
Q812
Q813
JK801
TJC6137
JK802
TJC6137
NORMARY:LOW
FANSENSE
LENS
IC802
C0JBAZ001265
JCL1562BF
IC806
C0JBAZ001265
JCL1562BF
IC807
C0JBAZ001265
JCL1562BF
IC812
C0JBAZ001265
JCL1562BF
SDA
SCL
FAN_ON
NO FILTER:H!
EXB38V103JV

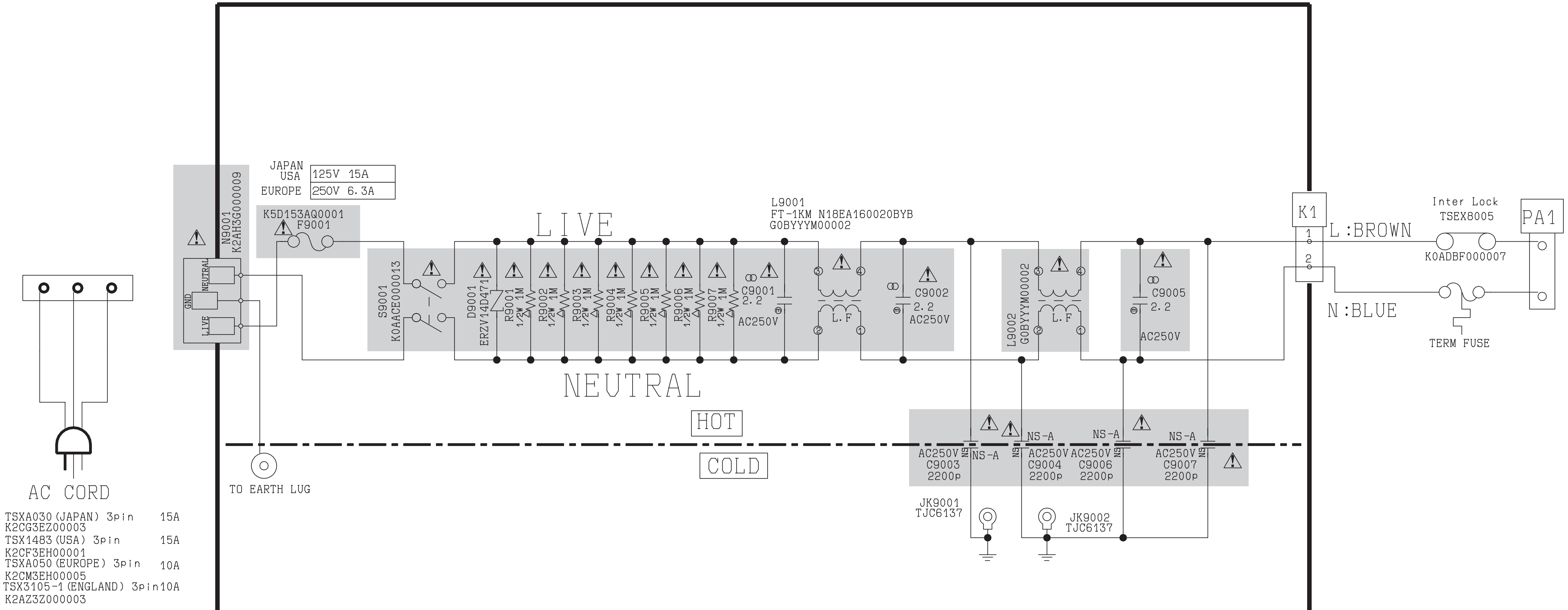
J - P. C. Board TNPA2464 (1/2)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
TO
A-P.C.B.
(A1)
J1
K1KBA0B00011
+3.3V
GND
-8V
GND
+8V
GND
+15V
GND
STB+15V
GND
PC4
J6
K1KA10A00221
TO
PC-P.C.B.
(PC4)
-15V
GND
+5V
GND
STB+5V
GND
PC11
J7
K1KA06A00175
TO
PC-P.C.B.
(PC11)
J4
K1KA60A00061
TO
X-P.C.B.
(X1)
TO
X-P.C.B.
(X2)
J3
K1KA80A00080
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫

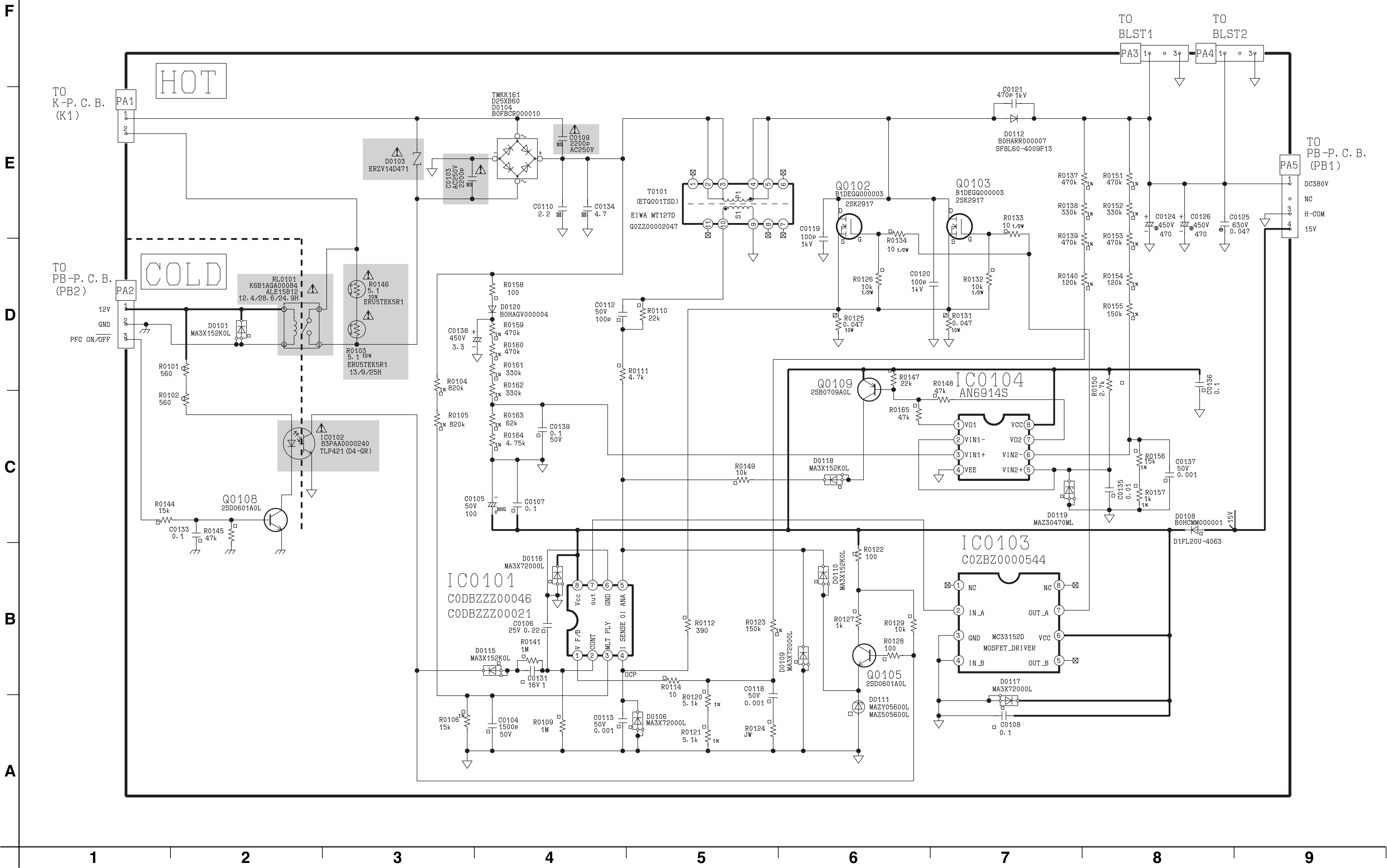
J - P. C. Board   TNPA2464 (2/2)


J2
K1KB80B00013
TO
A-P.C.B.
(A2)
GND XRGBCLK XRGBACT XRGBH GND XRGBV RESERVE GND SLG16 SLG17 SLG15 SLG14 SLG12 SLG13 SLG11 SLG10 GND SLG9 SLG8 SLG7 SLG5 SLG6 SLG4 SLG3 SLG1 SLG2 SLG0 GND SLB16 SLB17 SLB15 SLB14 SLB12 SLB13 SLB11 SLB10 GND SLB9 SLB8 SLB7 SLB5 SLB6 SLB4 SLB3 SLB1 SLB2 SLB0 GND SLR16 SLR17 SLR15 SLR14 SLR12 SLR13 SLR11 SLR10 GND SLR9 SLR8 SLR7 SLR5 SLR6 SLR4 SLR3 SLR1 SLR2 SLR0 GND SLRXD SLTXD GND SLV SLH SLACT GND GND GND SLCLK 5VSDA 5VSCL
B-40 … B-1
A-40 … A-1
1
2
3
4
5
6
7
8
9
10
11
12
OPTION SLOT
J5
K1KBE4A00001
B-1 … B-48
A-1 … A-48
C-1 … C-48
(NC) (NC) (NC) GND GND GND GND GND GND G15 G12 G9 GND G6 G3 G0 GND B15 B12 B9 GND B6 B3 B0 GND R15 R12 R9 GND R6 R3 R0 GND NC (HD) HS GND CLK GND GND SCL
(NC) (NC) (NC) GND +15V (A) GND +8V (A) GND -8V (A) GND -15V (A) GND +5V (D) GND +3.3V (D) G16 G13 G10 GND G7 G4 G1 GND B16 B13 B10 GND B7 B4 B1 GND R16 R13 R10 GND R7 R4 R1 WHS RXD (HSL) ACT GND NC GND STD+5V (-2.7V (D)) GND NC (-5V (D)) NC
NC NC NC GND GND GND GND GND GND G17 G14 G11 GND G8 G5 G2 GND B17 B14 B11 GND B8 B5 B2 GND R17 R14 R11 GND R8 R5 R2 GND TXD (VD) VS GND NC GND GND SDA

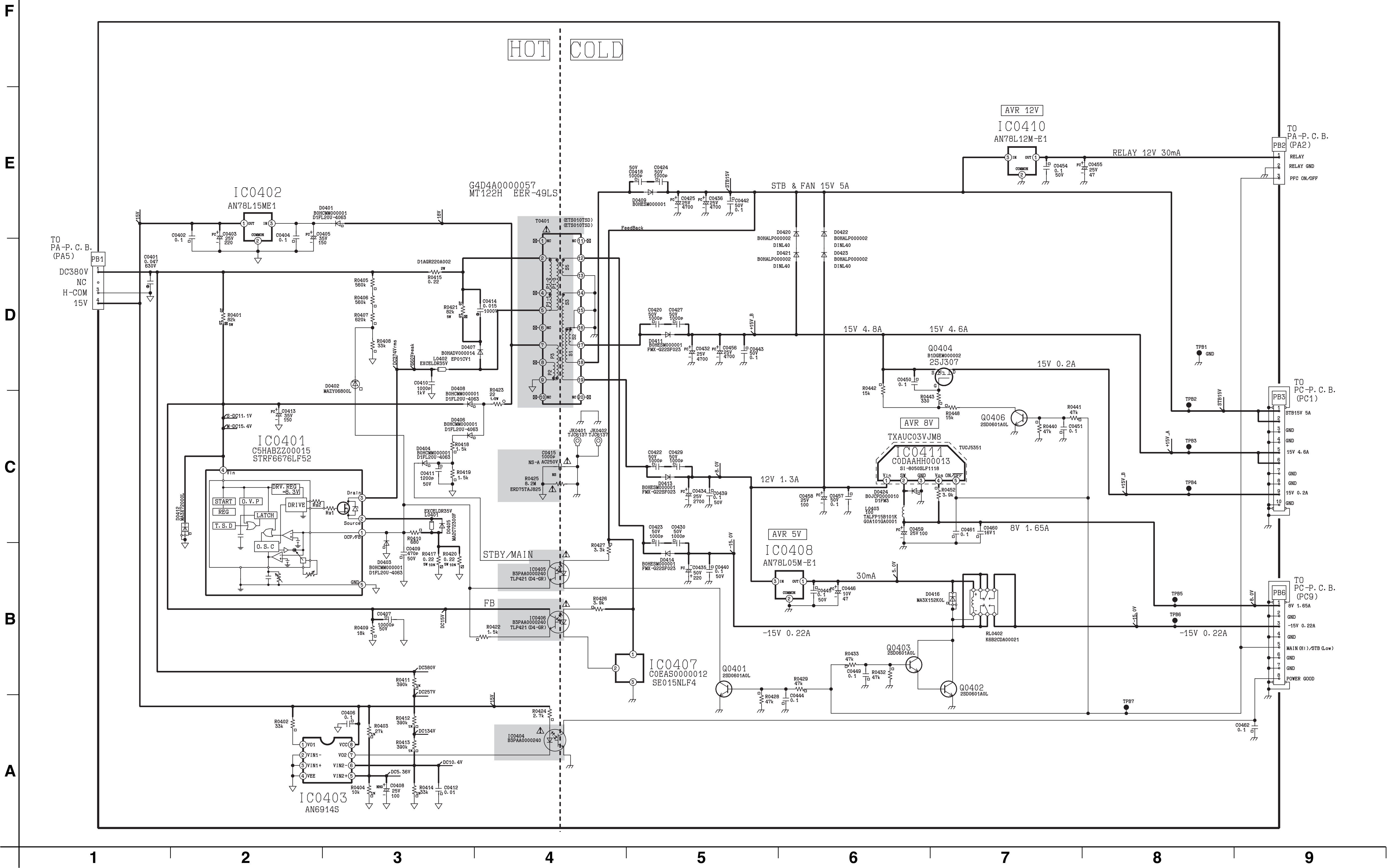
K - P. C. Board TXN/K2VJM8 (TH-D7500/D7600/PT-D7500U/D7600U)
TXN/K2PQVZ (PT-D7500E/D7600E)


JAPAN
USA
125V 15A
EUROPE
250V 6.3A
N9001
K2AH3G000009
GND
NEUTRAL
LIVE
K5D153AQ0001
F9001
LIVE
L9001
FT-1KM N18EA160020BYB
G0BYYYM00002
S9001
K0AACE000013
D9001
ERZV14D471
R9001 1/2W 1M
R9002 1/2W 1M
R9003 1/2W 1M
R9004 1/2W 1M
R9005 1/2W 1M
R9006 1/2W 1M
R9007 1/2W 1M
C9001
2.2
AC250V
L.F
C9002
2.2
AC250V
L9002
G0BYYYM00002
L.F
C9005
2.2
AC250V
K1
1
2
L:BROWN
N:BLUE
Inter Lock
TSEX8005
K0ADBF000007
TERM FUSE
PA1
NEUTRAL
HOT
COLD
TO EARTH LUG
NS-A
AC250V
C9003
2200p
NS-A
AC250V
C9004
2200p
NS-A
AC250V
C9006
2200p
NS-A
AC250V
C9007
2200p
NS
JK9001
TJC6137
JK9002
TJC6137
AC CORD
TSXA030(JAPAN) 3pin 15A
K2CG3EZ00003
TSX1483(USA) 3pin 15A
K2CF3EH00001
TSXA050(EUROPE) 3pin 10A
K2CM3EH00005
TSX3105-1(ENGLAND) 3pin10A
K2AZ3Z000003

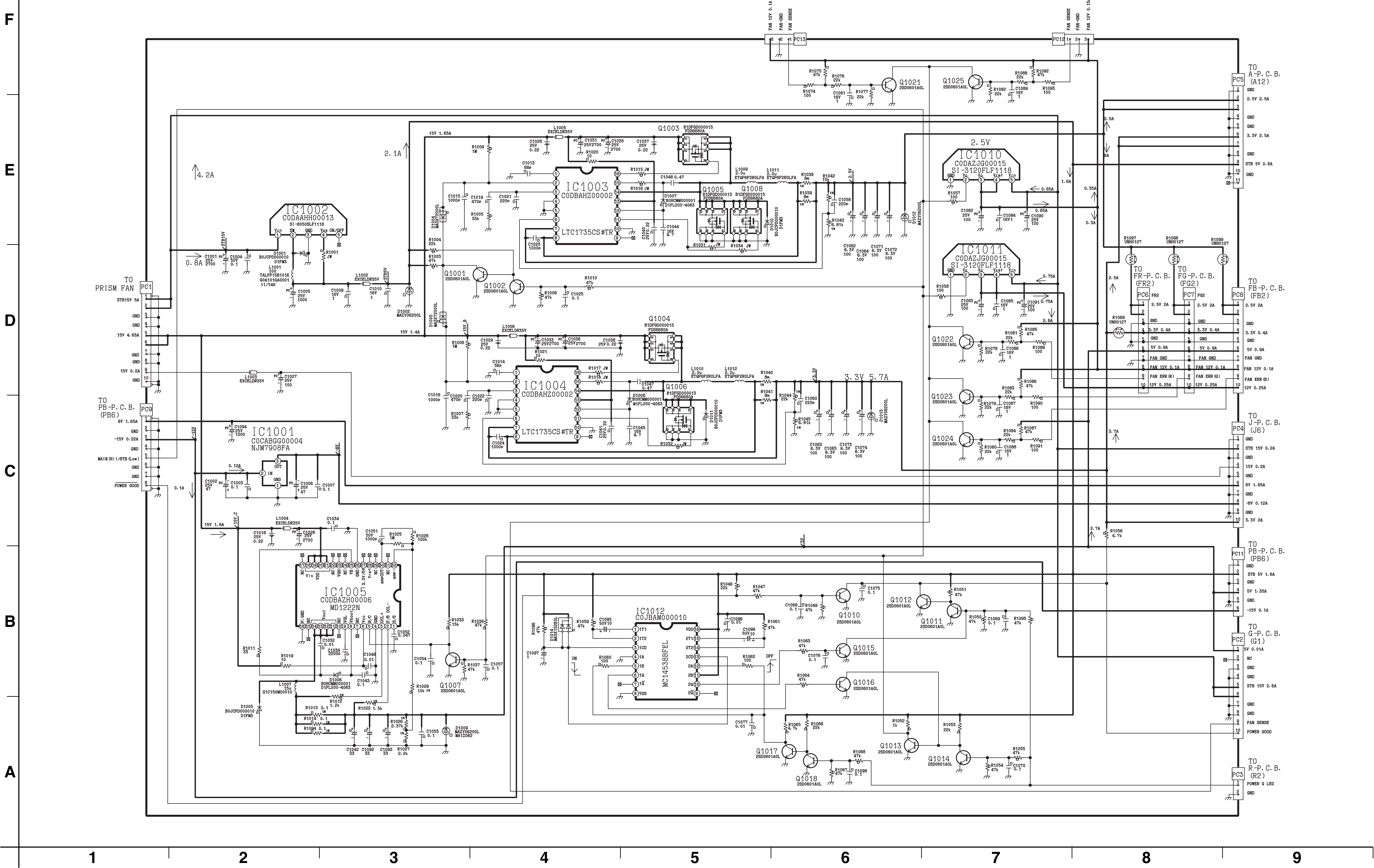
PA - P. C. Board TNPA2458


HOT
COLD
TO K-P.C.B. (K1)
PA1
TO PB-P.C.B. (PB2)
PA2
12V
GND
PFC ON/OFF
TO BLST1
PA3
TO BLST2
PA4
TO PB-P.C.B. (PB1)
PA5
DC380V
NC
H-COM
15V
TMKK161
D25XB60
D0104
B0FBCR000010
D0103
ERZV14D471
C0103
AC250V
2200p
NS
C0109
2200p
AC250V
C0110
2.2
C0134
4.7
T0101
(ETQ001TSD)
EIWA MT127D
G0ZZ00002047
P1
S1
C0121
470p 1kV
D0112
B0HARR000007
SF8L60-4009F13
Q0102
B1DEGQ000003
2SK2917
Q0103
B1DEGQ000003
2SK2917
C0119
100p
1kV
R0134
10 1/2W
R0133
10 1/2W
R0126
10k
1/2W
C0120
100p
1kV
R0132
10k
1/2W
R0125
0.047
10W
R0131
0.047
10W
R0137
470k
R0138
330k
R0139
470k
R0140
120k
R0151
470k
R0152
330k
R0153
470k
R0154
120k
R0155
150k
C0124
450V
470
C0126
450V
470
C0125
630V
0.047
RL0101
K6B1AGA00084
ALE15B12
12.4/28.6/24.9H
R0146
5.1
10%
ERU5TEK5R1
R0103
5.1 10%
ERU5TEK5R1
13/9/25H
D0101
MA3X152K0L
R0101
560
R0102
560
IC0102
B3PAA0000240
TLP421(D4-GR)
R0144
15k
C0133
0.1
R0145
47k
Q0108
2SD0601A0L
R0158
100
D0120
B0HAGV000004
C0138
450V
3.3
R0159
470k
R0160
470k
R0161
330k
R0162
330k
R0104
820k
R0105
820k
R0163
62k
R0164
4.75k
C0139
0.1
50V
C0105
50V
100
NHG
C0107
0.1
C0112
50V
100p
R0110
22k
R0111
4.7k
Q0109
2SB0709A0L
R0147
22k
R0148
47k
R0165
47k
IC0104
AN6914S
VO1
VIN1-
VIN1+
VEE
VCC
VO2
VIN2-
VIN2+
R0150
2.7k
C0136
0.1
R0149
10k
D0118
MA3X152K0L
R0156
15k
C0137
50V
0.001
C0135
0.01
R0157
1k
D0119
MAZ30470ML
D0108
B0HCMM000001
D1FL20U-4063
15V
IC0101
C0DBZZZ00046
C0DBZZZ00021
D0116
MA3X72000L
Vcc
out
GND
ANA
V F/B
CONT
MLT PLY
I SENSE OI
OCP
C0106
25V 0.22
R0141
1M
D0115
MA3X152K0L
C0131
16V 1
R0112
390
R0114
10
R0120
5.1k
R0121
5.1k
R0123
150k
C0118
50V
0.001
R0124
JW
D0109
MA3X72000L
D0110
MA3X152K0L
R0122
100
R0127
1k
R0129
10k
R0128
100
Q0105
2SD0601A0L
D0111
MAZY05600L
MAZ505600L
R0106
15k
C0104
1500p
50V
R0109
1M
C0113
50V
0.001
D0106
MA3X72000L
IC0103
C0ZBZ0000544
NC
IN_A
GND
IN_B
OUT_A
VCC
OUT_B
MC33152D
MOSFET_DRIVER
D0117
MA3X72000L
C0108
0.1
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

PB - P. C. Board TNPA2459


HOT
COLD
TO PA-P.C.B. (PA5)
PB1
DC380V
NC
H-COM
15V
IC0402
AN78L15ME1
D0401 B0HCMM000001 D1FL20U-4063
C0401 0.047 630V
C0402 0.1
C0403 25V 220
C0404 0.1
C0405 35V 150
15V
18V
G4D4A0000057
MT122H EER-49LS
T0401
(ETS010TSD)
D1AGR220A002
R0415 0.22
R0405 560k
R0406 560k
R0407 620k
R0408 33k
R0421 82k 5W
C0414 0.015 1000V
D0407 B0HADV000014 EP01CV1
L0402 EXCELDR35V
C0410 1000p 1kV
D0402 MAZY06800L
DC374Vrms
660VPeak
D0408 B0HCMM000001 D1FL20U-4063
R0423 22 1/2W
R0401 82k 5W
C0413 35V 150
S-DC11.1V
M-DC15.4V
IC0401
C5HABZZ00015
STRF6676LF52
Vin
START
REG
O.V.P
T.S.D
LATCH
DRV.REG =8.3V
DRIVE
O.S.C
Rg2
Rg1
Drain
Source
OCP/FB
GND
D0412 MA3X72000L
D0406 B0HCMM000001 D1FL20U-4063
R0418 1.5k
D0404 B0HCMM000001 D1FL20U-4063
C0411 1200p 50V
R0419 1.5k
EXCELDR35V L0401
D0405 MA2C72300F
R0410 680
C0409 470p 50V
R0417 0.22
R0420 0.22
D0403 B0HCMM000001 D1FL20U-4063
C0407 10000p 50V
R0409 18k
DC15V
C0415 1000p NS-A AC250V
R0425 8.2M ERD75TAJ825
JK0401 TJC6137
JK0402 TJC6137
STBY/MAIN
IC0405 B3PAA0000240 TLP421(D4-GR)
FB
IC0406 B3PAA0000240 TLP421(D4-GR)
R0422 1.5k
R0426 3.9k
R0427 3.3k
IC0407
C0EAS0000012
SE015NLF4
DC380V
R0411 390k
DC257V
R0412 390k
DC134V
R0413 390k
DC10.4V
DC5.36V
R0402 33k
C0406 0.1
R0403 27k
VO1
VIN1-
VIN1+
VEE
VCC
VO2
VIN2-
VIN2+
R0404 10k
C0408 25V 100
R0414 33k
C0412 0.01
IC0403
AN6914S
R0424 2.7k
IC0404 B3PAA0000240
FeedBack
C0418 50V 1000p
C0424 50V 1000p
D0409 B0HESM000001
C0425 25V 4700
C0436 25V 4700
C0442 50V 0.1
STB15V
STB & FAN 15V 5A
D0420 B0HALP000002 DINL40
D0421 B0HALP000002 DINL40
D0422 B0HALP000002 DINL40
D0423 B0HALP000002 DINL40
C0420 50V 1000p
C0427 50V 1000p
D0411 B0HESM000001 FMX-G22SF023
C0432 25V 4700
C0456 25V 4700
C0443 50V 0.1
+15V_B
15V 4.8A
15V 4.6A
C0422 50V 1000p
C0429 50V 1000p
D0413 B0HESM000001 FMX-G22SF023
C0434 25V 2700
C0439 0.1 50V
8.0V
12V 1.3A
C0423 50V 1000p
C0430 50V 1000p
D0414 B0HESM000001 FMX-G22SF023
C0435 50V 220
C0440 0.1 50V
-15.0V
AVR 12V
IC0410
AN78L12M-E1
C0454 0.1 50V
C0455 25V 47
RELAY 12V 30mA
TO PA-P.C.B. (PA2)
PB2
RELAY
RELAY GND
PFC ON/OFF
Q0404 B1DGEM000002 2SJ307
C0450 0.1
R0442 15k
R0443 330
R0448 15k
15V 0.2A
Q0406 2SD0601A0L
R0440 47k
R0441 47k
C0451 0.1
AVR 8V
TXAUC03VJM8
IC0411
C0DAAHH00013
SI-6050SLF1118
TUCJ5351
Vin
SW
GND
Vos
ON/OFF
C0458 25V 100
C0457 50V 0.1
D0424 B0JCPD000010 D1FM3
L0403 100 TALFP15B101K G0A101GA0001
R0452 3.9k
C0459 25V 100
C0461 0.1
C0460 16V1
8V 1.65A
AVR 5V
IC0408
AN78L05M-E1
C0445 0.1 50V
C0446 10V 47
30mA
5.0V
D0416 MA3X152K0L
RL0402 K6B2CDA00021
-15V 0.22A
-15V 0.22A
Q0401 2SD0601A0L
R0428 47k
R0429 47k
C0444 0.1
R0433 47k
C0449 0.1
R0432 47k
Q0403 2SD0601A0L
Q0402 2SD0601A0L
TPB1 GND
TPB2
TPB3
TPB4
TPB5
TPB6
TPB7
+15V_A
+15V_B
-15.0V
8.0V
TO PC-P.C.B. (PC1)
PB3
STB15V 5A
GND
GND
15V 4.6A
GND
GND
15V 0.2A
GND
TO PC-P.C.B. (PC9)
PB6
8V 1.65A
GND
-15V 0.22A
GND
MAIN(Hi)/STB(Low)
GND
GND
POWER GOOD
C0462 0.1
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

PC - P. C. Board TNPA2468


PRISM
SIGNAL FAN
PC13
PC12
TO PRISM FAN
PC1
TO PB-P.C.B. (PB6)
PC9
IC1002
C0DAAHH00013
SI-8050SLF1118
IC1003
C0DBAHZ00002
LTC1735CS#TR
IC1004
C0DBAHZ00002
LTC1735CS#TR
IC1001
C0CABGG00004
NJM7908FA
IC1005
C0DBAZH00006
MD1222N
IC1012
C0JBAM000010
MC14538BFEL
2.5V
IC1010
C0DAZJG00015
SI-3120FLF1118
IC1011
C0DAZJG00015
SI-3120FLF1118
Q1003
Q1004
Q1005
Q1006
Q1008
Q1001
Q1002
Q1007
Q1010
Q1011
Q1012
Q1013
Q1014
Q1015
Q1016
Q1017
Q1018
Q1021
Q1022
Q1023
Q1024
Q1025
3.3V 5.7A
15V 1.63A
15V 1.4A
15V 1.6A
2.1A
4.2A
0.8A
TO A-P.C.B. (A12)
PC5
TO FR-P.C.B. (FR2)
PC6
TO FG-P.C.B. (FG2)
PC7
TO FB-P.C.B. (FB2)
PC8
TO J-P.C.B. (J6)
PC4
TO PB-P.C.B. (PB6)
PC11
TO G-P.C.B. (G1)
PC2
TO R-P.C.B. (R2)
PC3
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

15 Schematic Diagram

Schematic Diagram for Model PT-D7500U and PT-D7600U

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS.
WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

Schematic Diagram for Model PT-D7500E and PT-D7600E

Important Safety Notice

Components identified by the international symbol ⚠ have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified ones.

Notes:

1. **Resistor**
   All the resistors are carbon 1/4W resistors, unless marked as follows: The unit of resistance is an OHM [Ω] (K=1 000 M=1 000 000).
   ○ : Nonflammable ⊠ : Metal Oxide
   △ : Solid ◎ : Metal Film
   ⧄ : Wire Wound ⊗ : Fuse
2. **Capacitor**
   ⊗ : Temperature Compensation +‡− : Electrolytic
   Ⓜ : Polyester NP‡ : Bipolar
   ⓜ : Metalized Polyester Ⓣ : Dipped Tantalum
   ⊠ : Polypropylene Ⓩ : Z-Type
3. **Coil**
   The unit of inductance is a μH, unless otherwise noted.
4. **Test Point**
   ● : Test Point
5. **Voltage Measurement**
   The voltage is measured by an electronic voltmeter receiving the colorbar signal when all the customer's controls are set to the standard condition.
6. **Color code for the links between diagrams and circuit boards**

From/To		To/From	Color code
Block diagram	⟷	Schematic diagram	Magenta
Schematic diagram	⟷	Schematic diagram	Green
Schematic diagram	⟷	Circuit boards	Yellow
Schematic diagram	⟷	Waveforms	Cyan (Light blue)

7. **HOT and COLD indications**
   The power circuit board contains a circuit area using a separate power supply to isolate the ground connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the precautions below:
8. **This schematic diagram is the latest at the time of printing and subject to change without notice.**

Precautions:

1. NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
2. NEVER short-circuit the HOT and COLD circuits, or the fuse may blow and the parts may break.
3. NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow.Connect the ground of instruments to the ground of the circuit being measured.
4. MAKE SURE to unplug the power cord from the power outlet before removing the chassis.

RICAL SHOCK

ED AREAS OF

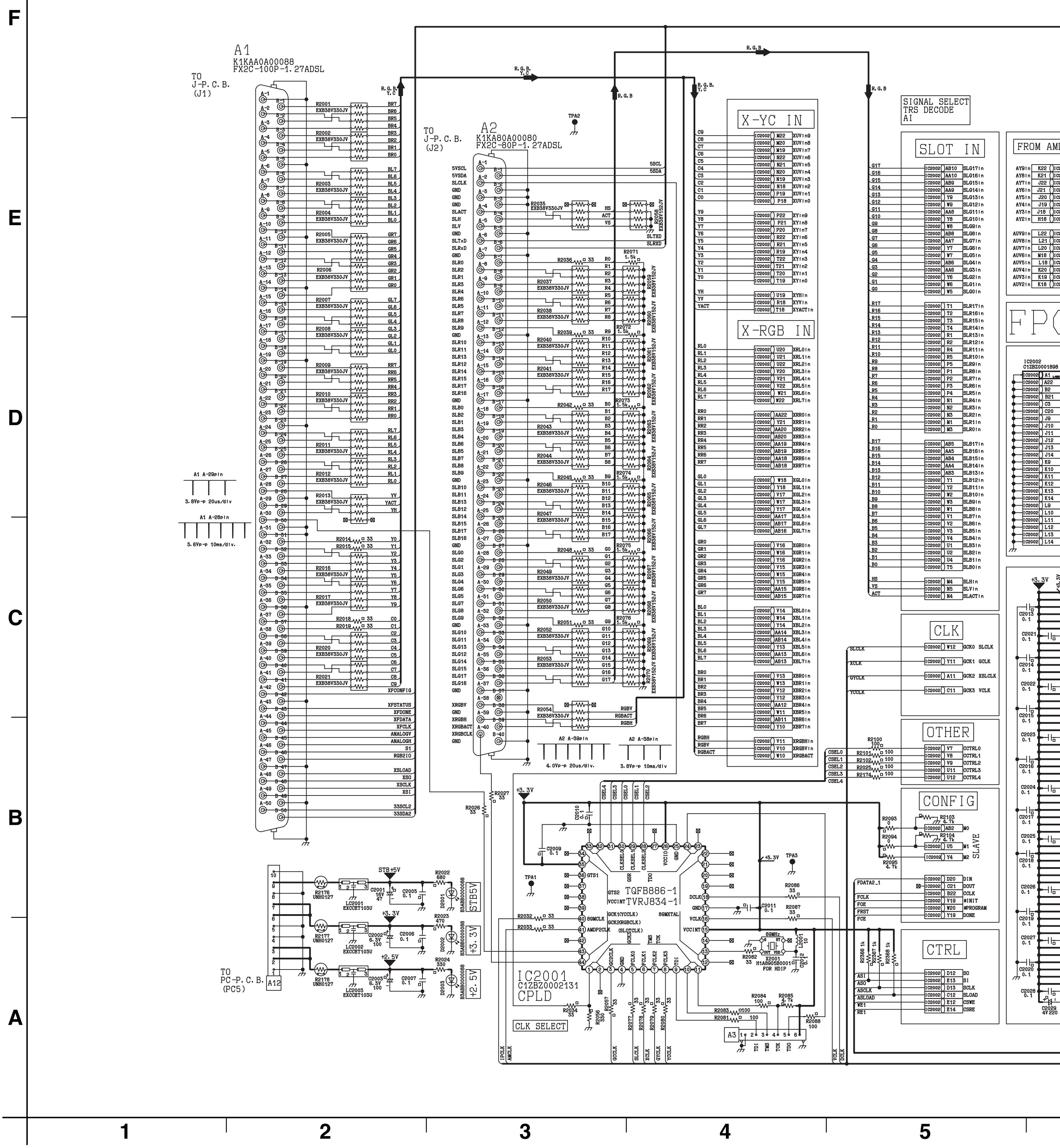
manufacturer's

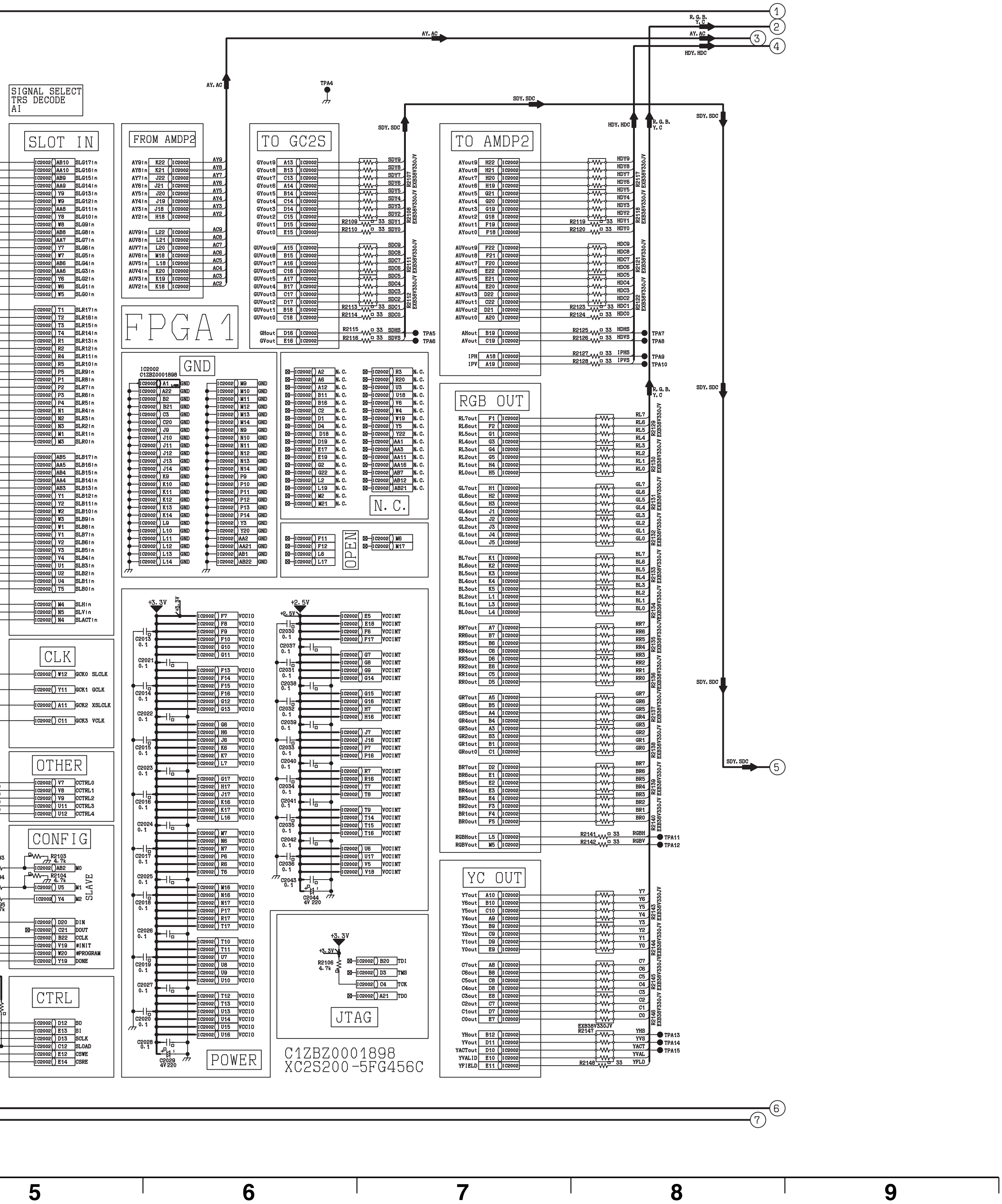
ons in the schematic

e circuit being measured.

15.1. A-P.C.Board (1/7)

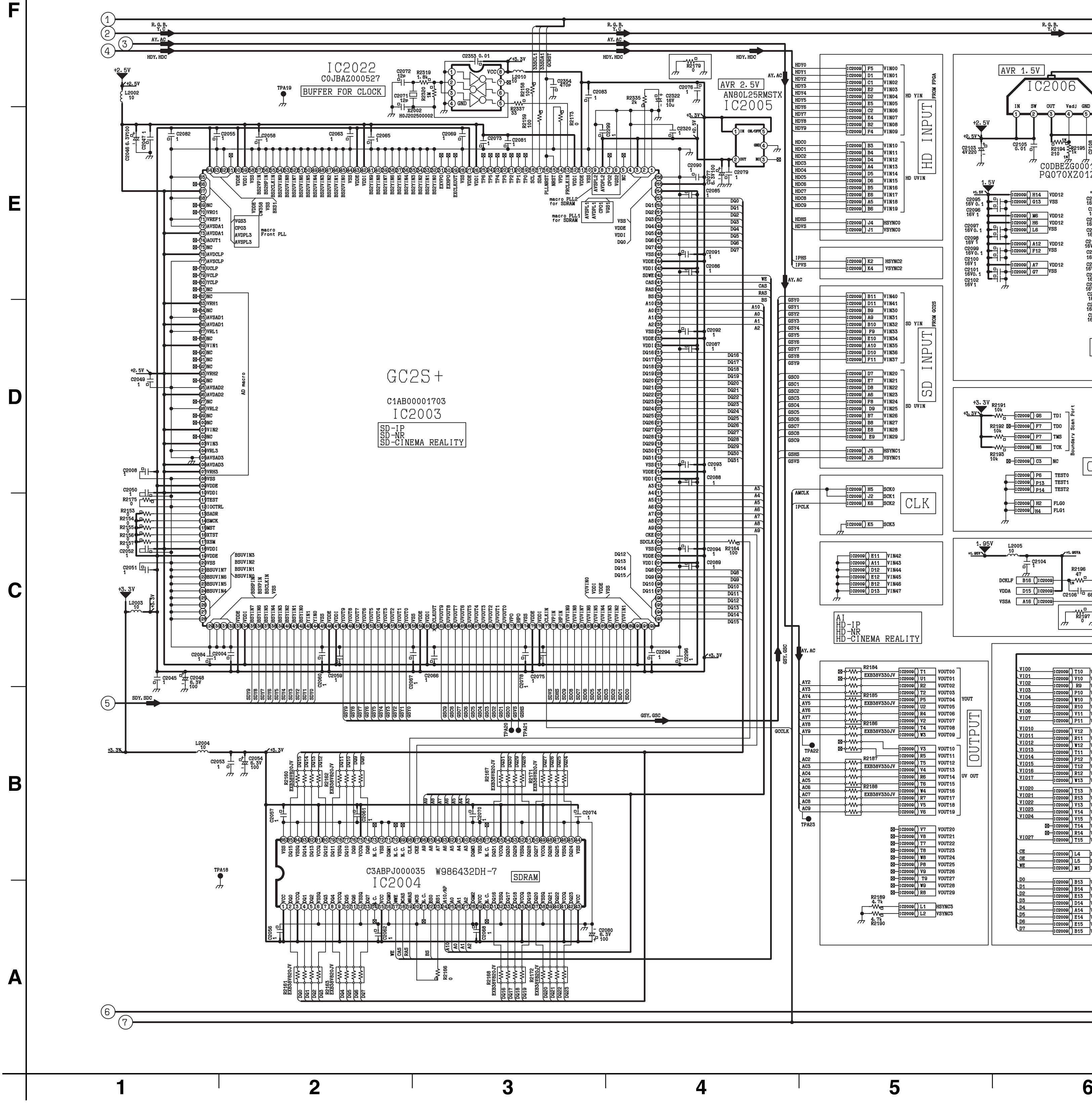
A - P. C. Board TXN/A2VJM8 (1/7)

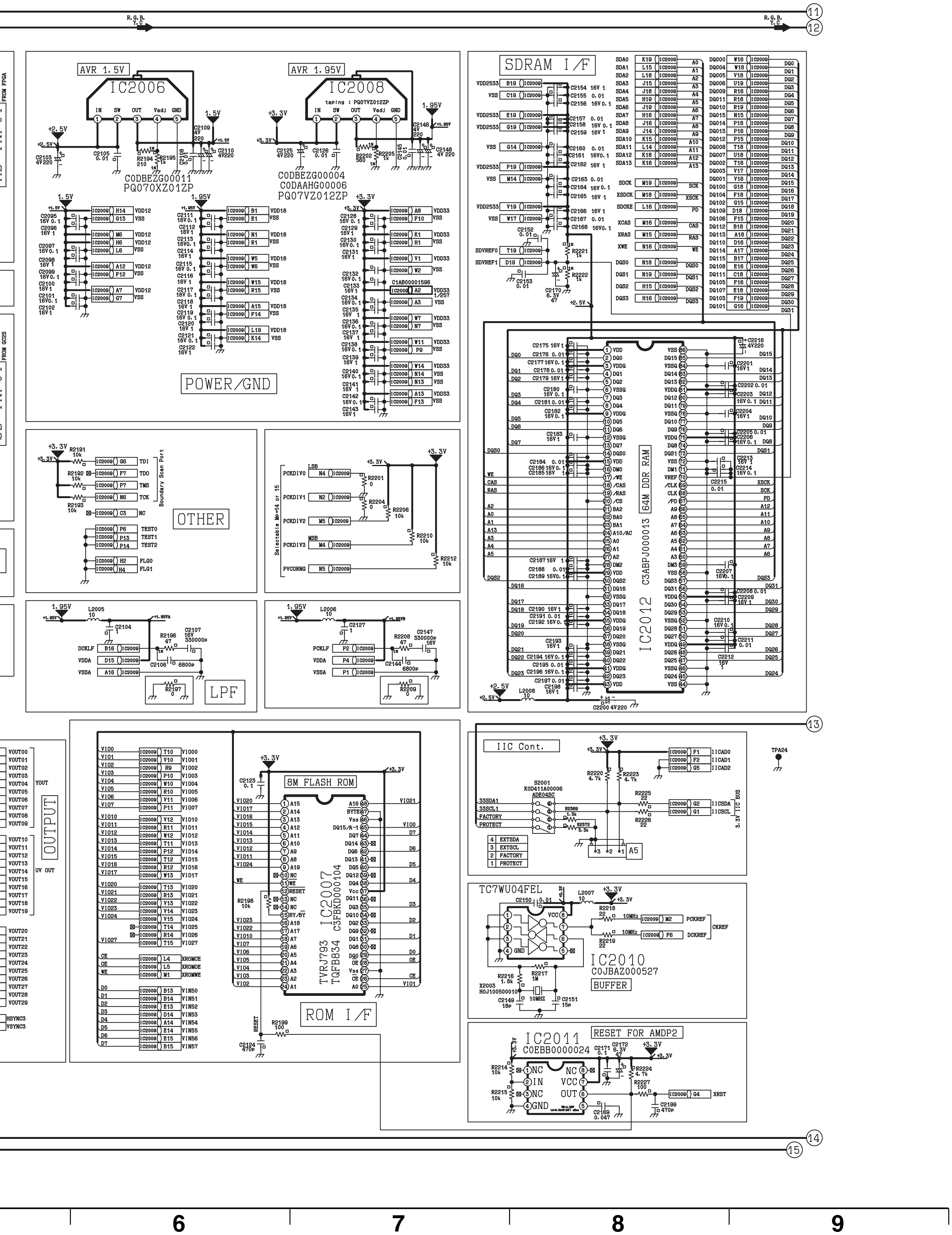

F
E
D
C
B
A
1
2
3
4
5
A1
K1KAA0A00088
FX2C-100P-1.27ADSL
TO
J-P.C.B.
(J1)
A2
K1KA80A00080
FX2C-80P-1.27ADSL
TO
J-P.C.B.
(J2)
R.G.B, Y.C
R.G.B
TPA2
X-YC IN
X-RGB IN
SIGNAL SELECT
TRS DECODE
AI
SLOT IN
FROM AMI
FPC
IC2002
C1ZBZ0001898
CLK
OTHER
CONFIG
CTRL
SLAVE
A1 A-29pin
3.8Vp-p 20us/div
A1 A-28pin
3.6Vp-p 10ms/div.
A2 A-39pin
4.0Vp-p 20us/div.
A2 A-38pin
3.8Vp-p 10ms/div
IC2001
C1ZBZ0002131
CPLD
TQFB886-1
TVRJ834-1
CLK SELECT
STB+5V
STB5V
+3.3V
+2.5V
TO
PC-P.C.B.
(PC5)
A12
A3
TPA1
TPA3
X2001
H1A8905B0001G
FOR HDIP
89MHz
LC2001
EXCCET103U
LC2002
EXCCET103U
LC2003
EXCCET103U
R2176
UNH0127
R2177
UNH0127
R2178
UNH0127


SIGNAL SELECT
TRS DECODE
AI
SLOT IN
FROM AMDP2
TO GC2S
TO AMDP2
FPGA1
GND
N.C.
OPEN
RGB OUT
YC OUT
CLK
OTHER
CONFIG
SLAVE
CTRL
POWER
JTAG
+3.3V
+2.5V
IC2002
C1ZBZ0001898
C1ZBZ0001898
XC2S200-5FG456C
AY.AC
SDY.SDC
HDY.HDC
R.G.B.
Y.C
TPA4
TPA5
TPA6
TPA7
TPA8
TPA9
TPA10
TPA11
TPA12
TPA13
TPA14
TPA15
EXB38V330JV
R2106
4.7k
R2103
4.7k
R2104
4.7k
C2044
4V 220
C2029
4V 220
①
②
③
④
⑤
⑥
⑦
5
6
7
8
9

15.2. A-P.C.Board (2/7)

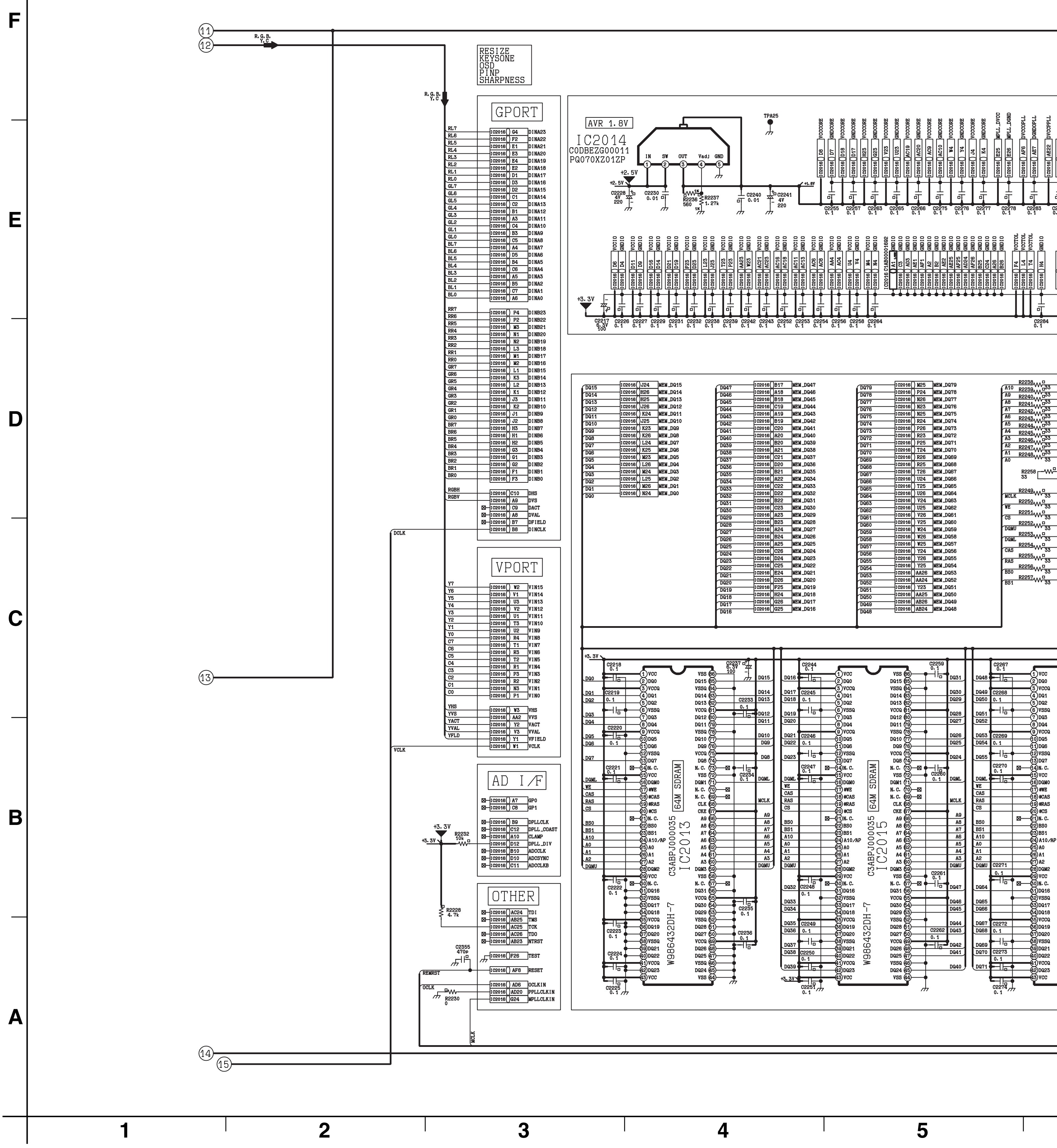
A - P. C. Board TXN/A2VJM8 (2/7)

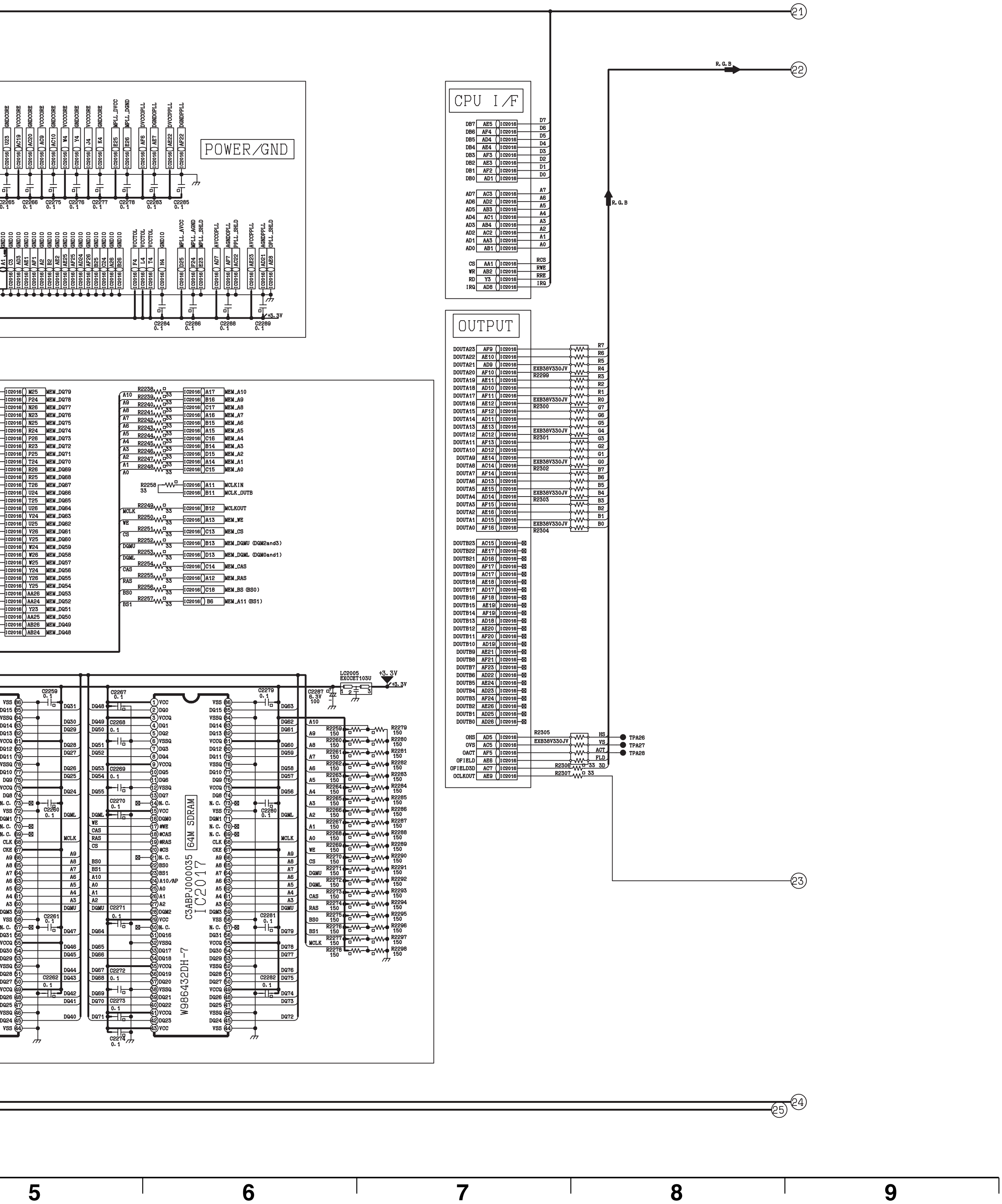

F
E
D
C
B
A
1
2
3
4
5
6
IC2022
C0JBAZ000527
BUFFER FOR CLOCK
AVR 2.5V
AN80L25RMSTX
IC2005
AVR 1.5V
IC2006
GC2S+
C1AB00001703
IC2003
SD-IP
SD-NR
SD-CINEMA REALITY
HD INPUT
SD INPUT
CLK
AI
HD-IP
HD-NR
HD-CINEMA REALITY
OUTPUT
C3ABPJ000035 W986432DH-7
IC2004
SDRAM
R.G.B. Y.C
AY.AC
HDY.HDC
SDY.SDC
GSY.GSC
GCCLK
TPA18
TPA19
TPA20
TPA21
TPA22
TPA23


AVR 1.5V
IC2006
C0DBEZG00011
PQ070XZ01ZP
AVR 1.95V
IC2008
C0DBEZG00004
C0DAAHG00006
PQ07VZ012ZP
POWER/GND
SDRAM I/F
IC2012
C3ABPJ000013
64M DDR RAM
OTHER
Boundary Scan Port
LPF
8M FLASH ROM
IC2007
C3FBKD000104
TVRJ793
TQFB834
ROM I/F
OUTPUT
YOUT
UV OUT
IIC Cont.
S2001
K0D411A00006
ADE04SC
3.3V IIC BUS
A5
TPA24
TC7WU04FEL
IC2010
C0JBAZ000527
BUFFER
IC2011
C0EBB0000024
RESET FOR AMDP2
R.G.B. Y,C
11
12
13
14
15
6
7
8
9

15.3. A-P.C.Board (3/7)

A - P. C. Board TXN/A2VJM8 (3/7)


F
E
D
C
B
A
1
2
3
4
5
11
12
13
14
15
R.G.B. Y,C
RESIZE
KEYSONE
OSD
PINP
SHARPNESS
GPORT
VPORT
AD I/F
OTHER
AVR 1.8V
IC2014
C0DBEZG00011
PQ070XZ01ZP
IN
SW
OUT
Vadj
GND
TPA25
+2.5V
+1.8V
+3.3V
DCLK
VCLK
REMRST
MCLK
IC2016
64M SDRAM
C3ABPJ000035
W986432DH-7
IC2013
IC2015
R2232 10k
R2228 4.7k
C2355 470p
R2230 0
C2217 6.3V 100
C2237 6.3V 100



CPU I/F
POWER/GND
OUTPUT
R.G.B
R.G.B
W986432DH-7
64M SDRAM
C3ABPJ000035
IC2017
LC2005
EXCCET103U
+3.3V
C2287
6.3V
100
EXB38V330JV
R2299
R2300
R2301
R2302
R2303
R2304
R2305
R2306
R2307
TPA26
TPA27
TPA28
21
22
23
24
25
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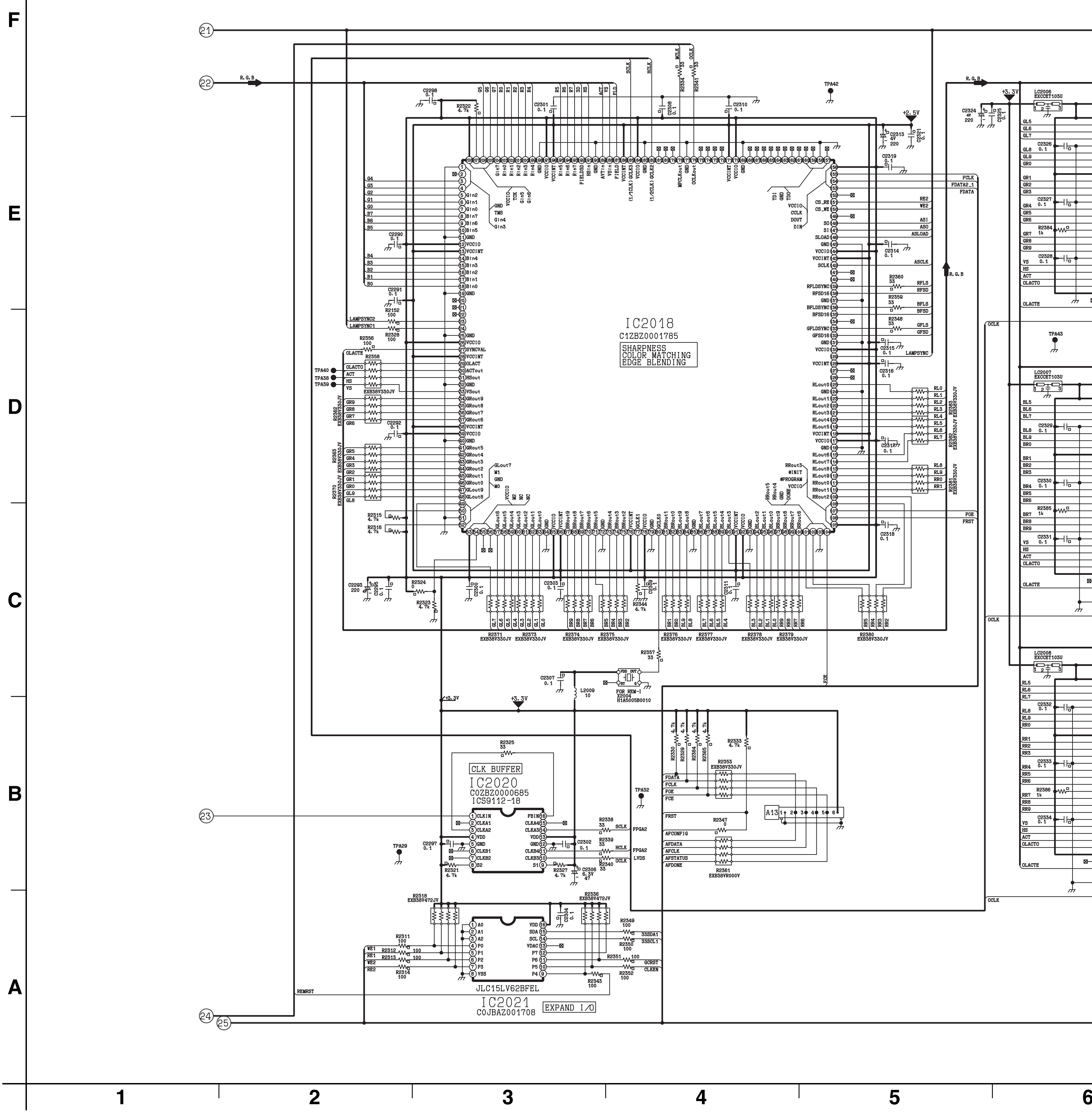
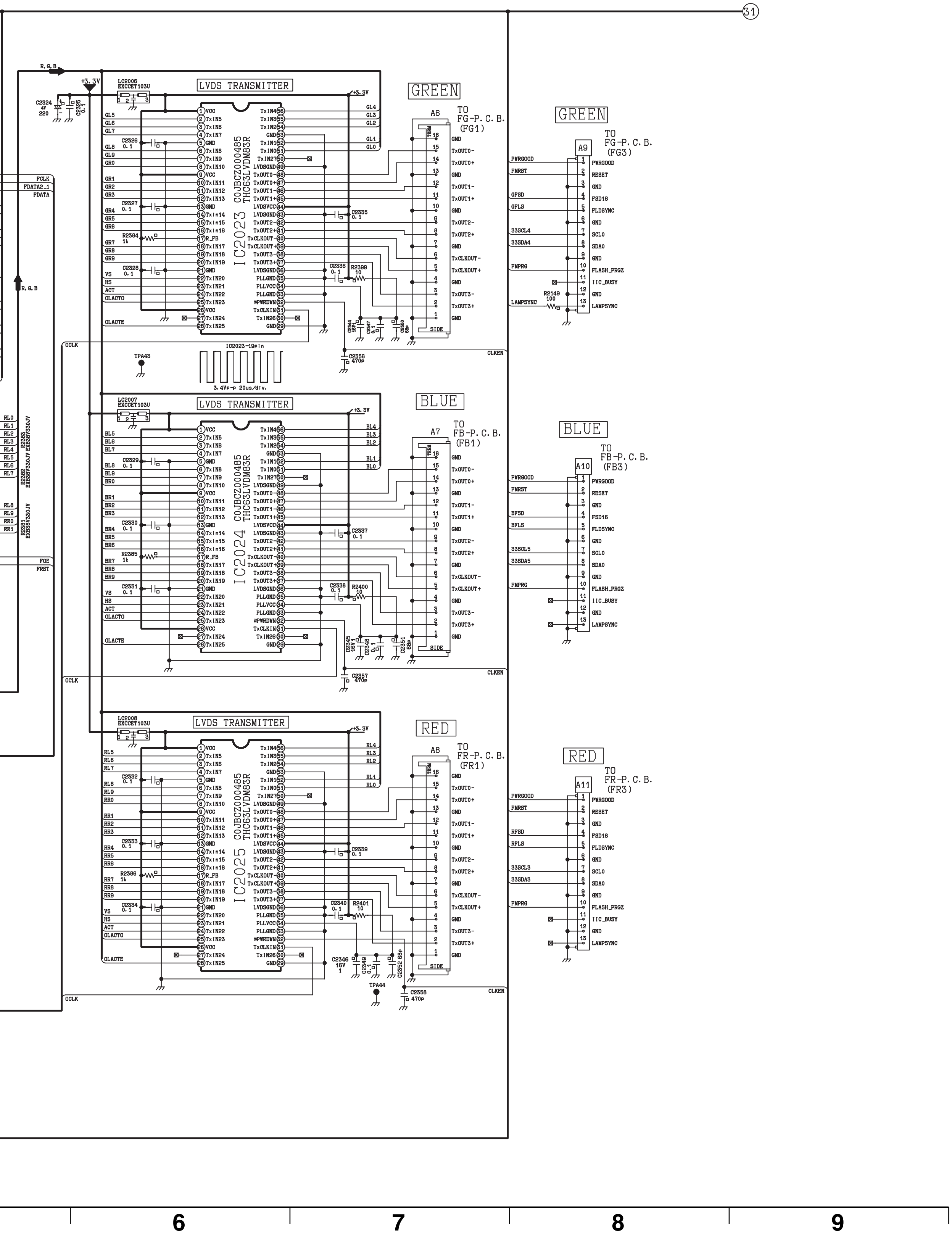
9

15.4. A-P.C.Board (4/7)

A - P. C. Board TXN/A2VJM8 (4/7)

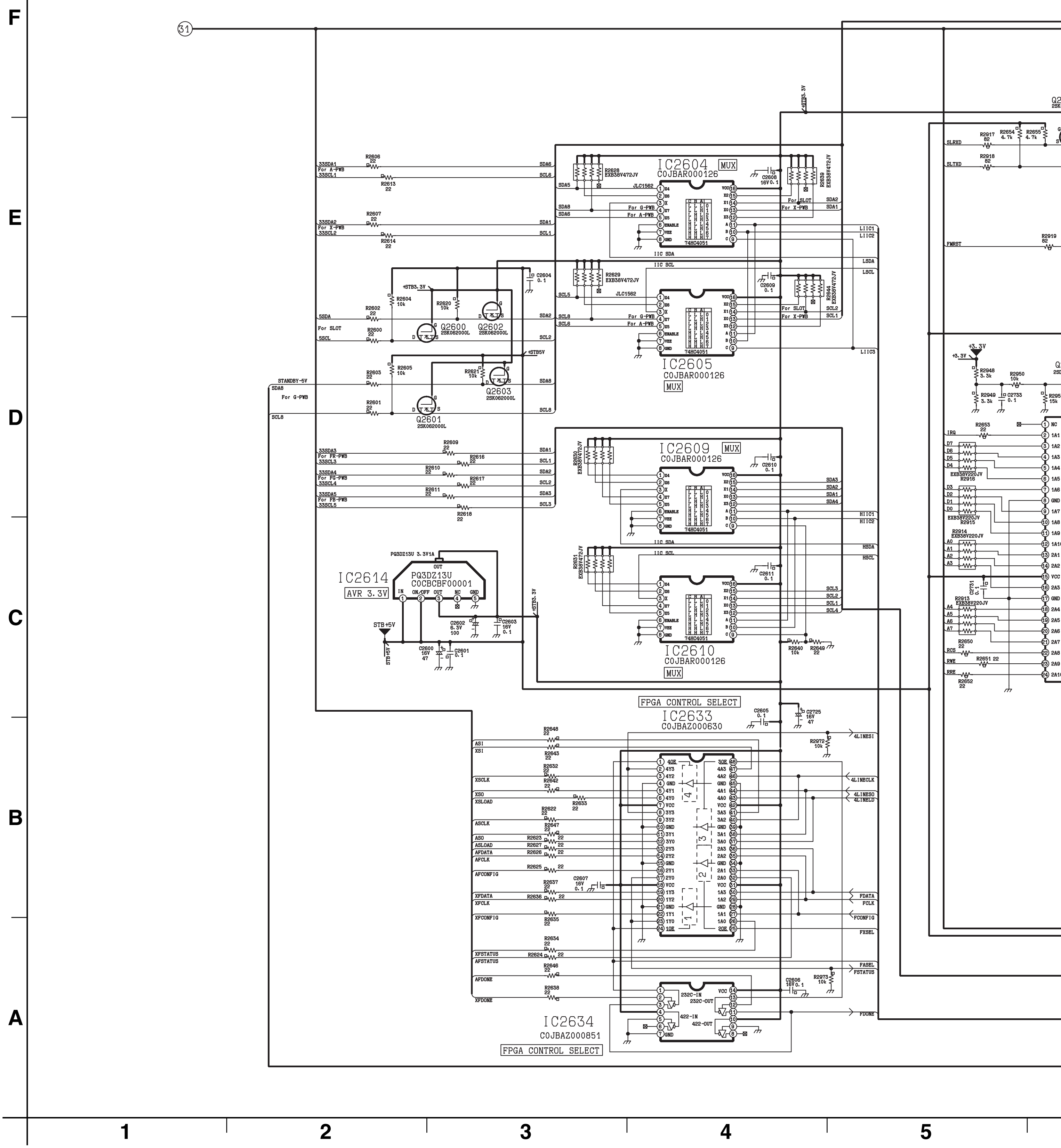

F
E
D
C
B
A
1
2
3
4
5
6
IC2018
C1ZBZ0001785
SHARPNESS
COLOR MATCHING
EDGE BLENDING
CLK BUFFER
IC2020
C0ZBZ0000685
ICS9112-18
JLC15LV62BFEL
IC2021
C0JBAZ001708
EXPAND I/O
FOR REW-1
X2004
H1A5005B0010
R.G.B
+3.3V
+2.5V
TPA29
TPA32
TPA38
TPA39
TPA40
TPA42
TPA43
LC2006
LC2007
LC2008
EXCCET103U
A13
REMRST
LAMPSYNC1
LAMPSYNC2
FPGA2
LVDS
SCLK
HCLK
OCLK
FCLK
FDATA
FOE
FRST
33SDA1
33SCL1
GCRST
CLKEN
AFCONFIG
AFDATA
AFCLK
AFSTATUS
AFDONE
(21)
(22)
(23)
(24)
(25)

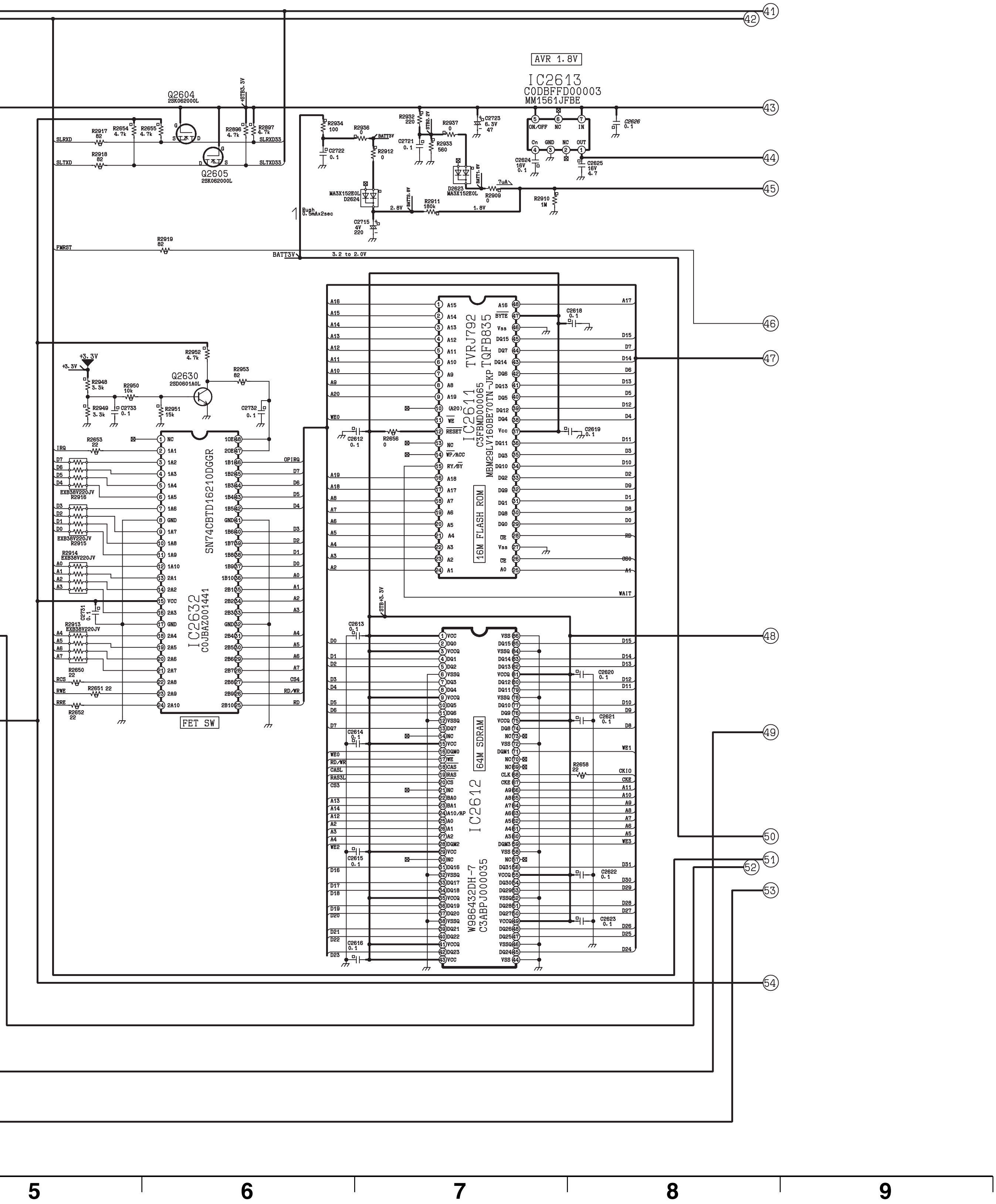


31
R.G.B
+3.3V
LC2006 EXCCET103U
LVDS TRANSMITTER
C2324 47 220
C2325 0.1
IC2023 C0JBCZ000485 THC63LVDM83R
C2326 0.1
C2327 0.1
C2328 0.1
C2335 0.1
C2336 0.1
R2384 1k
R2399 10
C2344
C2347
C2350 68p
C2356 470p
GREEN
A6
TO FG-P.C.B. (FG1)
A9
TO FG-P.C.B. (FG3)
PWRGOOD
FMRST
GFSD
GFLS
33SCL4
33SDA4
FMPRG
LAMPSYNC
R2149 100
PWRGOOD
RESET
GND
FSD16
FLDSYNC
SCL0
SDA0
FLASH_PRGZ
IIC_BUSY
LAMPSYNC
TxOUT0-
TxOUT0+
TxOUT1-
TxOUT1+
TxOUT2-
TxOUT2+
TxCLKOUT-
TxCLKOUT+
TxOUT3-
TxOUT3+
SIDE
TERM
FCLK
FDATA2_1
FDATA
OCLK
CLKEN
TPA43
IC2023-19pin
3.4Vp-p 20us/div.
LC2007 EXCCET103U
IC2024 C0JBCZ000485 THC63LVDM83R
C2329 0.1
C2330 0.1
C2331 0.1
C2337 0.1
C2338 0.1
R2385 1k
R2400 10
C2345
C2348
C2351 68p
C2357 470p
BLUE
A7
TO FB-P.C.B. (FB1)
A10
TO FB-P.C.B. (FB3)
BFSD
BFLS
33SCL5
33SDA5
FOE
FRST
R2382 EXB38V330JV
R2383 EXB38V330JV
LC2008 EXCCET103U
IC2025 C0JBCZ000485 THC63LVDM83R
C2332 0.1
C2333 0.1
C2334 0.1
C2339 0.1
C2340 0.1
R2386 1k
R2401 10
C2346 16V 1
C2349
C2352 68p
C2358 470p
TPA44
RED
A8
TO FR-P.C.B. (FR1)
A11
TO FR-P.C.B. (FR3)
RFSD
RFLS
33SCL3
33SDA3
VS
HS
ACT
OLACTO
OLACTE
6
7
8
9

15.5. A-P.C.Board (5/7)

A - P. C. Board TXN/A2VJM8 (5/7)

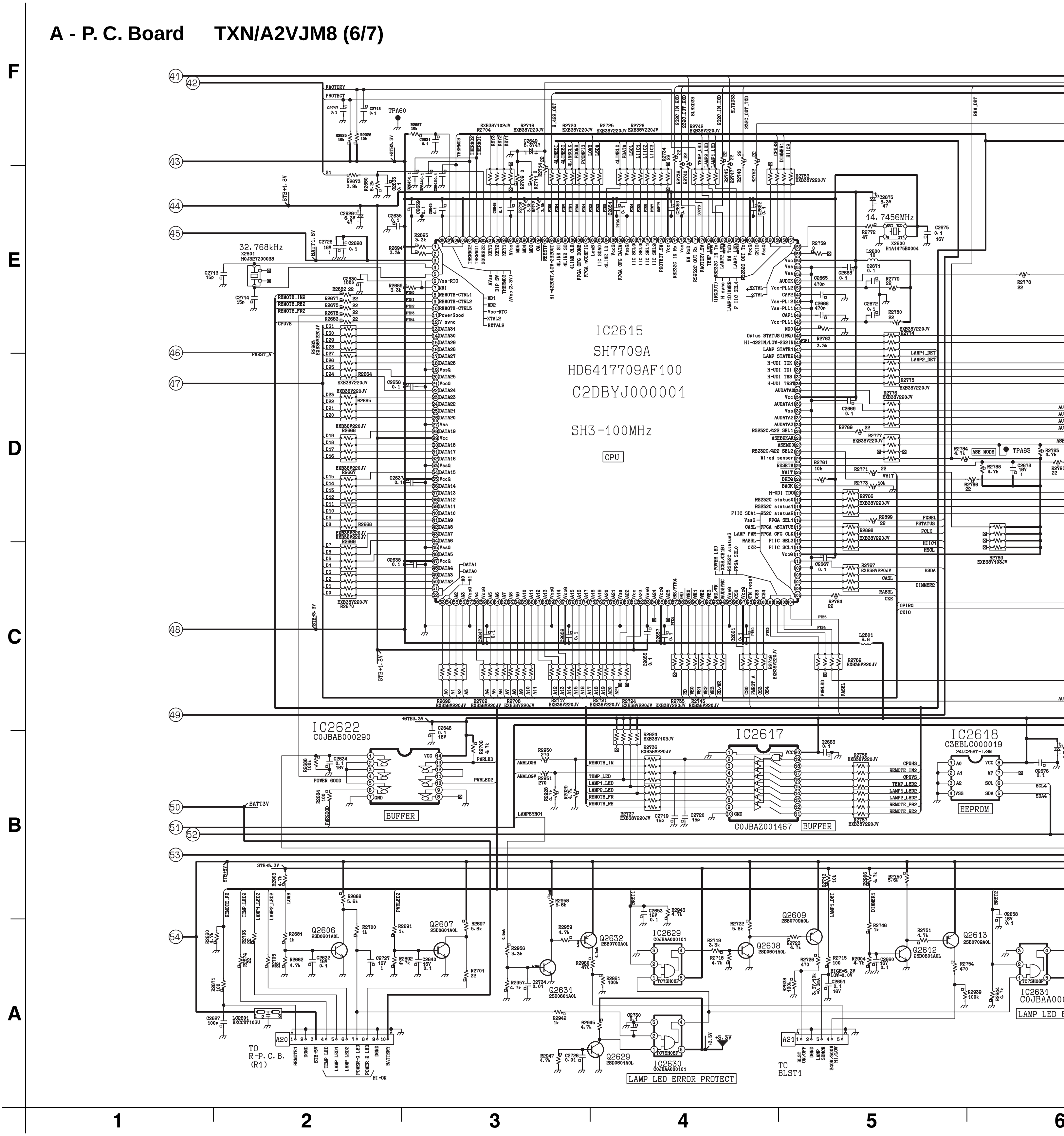

F
E
D
C
B
A
1
2
3
4
5
31
IC2604
MUX
C0JBAR000126
74HC4051
IC2605
C0JBAR000126
MUX
IC2609
MUX
C0JBAR000126
IC2610
C0JBAR000126
MUX
IC2614
AVR 3.3V
PQ3DZ13U
C0CBCBF00001
STB+5V
Q2600
Q2601
Q2602
Q2603
2SK062000L
FPGA CONTROL SELECT
IC2633
C0JBAZ000630
IC2634
C0JBAZ000851
FPGA CONTROL SELECT
33SDA1
For A-PWB
33SCL1
33SDA2
For X-PWB
33SCL2
5SDA
For SLOT
5SCL
STANDBY-5V
SDA8
For G-PWB
SCL8
33SDA3
For FR-PWB
33SCL3
33SDA4
For FG-PWB
33SCL4
33SDA5
For FB-PWB
33SCL5
+STB3.3V
+STB5V
LIIC1
LIIC2
LSDA
LSCL
LIIC3
HIIC1
HIIC2
HSDA
HSCL
4LINESI
4LINECLK
4LINESO
4LINELD
FDATA
FCLK
FCONFIG
FXSEL
FASEL
FSTATUS
FDONE
ASI
XSI
XSCLK
XSO
XSLOAD
ASCLK
ASO
ASLOAD
AFDATA
AFCLK
AFCONFIG
XFDATA
XFCLK
XFCONFIG
XFSTATUS
AFSTATUS
AFDONE
XFDONE
SLRXD
SLTXD
FMRST
IRQ
RCS
RWE
RRE
+3.3V



(41)
(42)
(43)
(44)
(45)
(46)
(47)
(48)
(49)
(50)
(51)
(52)
(53)
(54)
AVR 1.8V
IC2613
C0DBFFD00003
MM1561JFBE
ON/OFF
NC
IN
Cn
GND
NC
OUT
C2626 0.1
C2624 16V 0.1
C2625 16V 4.7
Q2604
2SK062000L
Q2605
2SK062000L
R2917 82
R2654 4.7k
R2655 4.7k
R2918 82
R2896 4.7k
R2897 4.7k
SLRXD
SLTXD
SLRXD33
SLTXD33
+STB3.3V
R2934 100
C2722 0.1
R2936 0
BATT3V
R2912 0
MA3X152E0L
D2624
C2715 4V 220
2.8V
R2932 220
C2721 0.1
R2937 0
R2933 560
C2723 6.3V 47
D2623
MA3X152E0L
R2911 180k
R2909 0
7uA
1.8V
R2910 1M
Rush 0.5mAx2sec
FMRST
R2919 82
BATT3V
3.2 to 2.0V
R2952 4.7k
+3.3V
R2948 3.3k
R2950 10k
Q2630
2SD0601A0L
R2953 82
R2949 3.3k
C2733 0.1
R2951 15k
C2732 0.1
R2653 22
IRQ
EXB38V220JV
R2916
R2915
R2914
R2913
R2650 22
RCS
RWE
R2651 22
RRE
R2652 22
SN74CBTD16210DGGR
IC2632
C0JBAZ001441
FET SW
C2731 0.1
OPIRQ
CS4
RD/WR
RD
IC2611
TVRJ792
C3FBMD000065
MBM29LV160BE70TN-JKP TQFB835
16M FLASH ROM
C2618 0.1
C2619 0.1
C2612 0.1
R2656 0
RESET
RY/BY
WP/ACC
BYTE
WAIT
CS0
+STB3.3V
C2613 0.1
C2614 0.1
C2615 0.1
C2616 0.1
IC2612
W986432DH-7
C3ABPJ000035
64M SDRAM
C2620 0.1
C2621 0.1
C2622 0.1
C2623 0.1
R2658 22
CKIO
CKE
WE0
WE1
WE2
WE3
CASL
RASSL
CS3
5
6
7
8
9

15.6. A-P.C.Board (6/7)

A - P. C. Board TXN/A2VJM8 (6/7)



F
E
D
C
B
A
1
2
3
4
5
6
IC2615
SH7709A
HD6417709AF100
C2DBYJ000001
SH3-100MHz
CPU
32.768kHz
X2601
H0J327200038
14.7456MHz
X2600
H1A1475B0004
TPA60
TPA63
ASE MODE
IC2622
C0JBAB000290
BUFFER
IC2617
C0JBAZ001467
BUFFER
IC2618
C3EBLC000019
24LC256T-I/SN
EEPROM
IC2629
C0JBAA000101
TC7SH08F
IC2630
C0JBAA000101
LAMP LED ERROR PROTECT
IC2631
LAMP LED E
Q2606
2SD0601A0L
Q2607
2SD0601A0L
Q2631
2SD0601A0L
Q2632
2SB0709A0L
Q2629
2SD0601A0L
Q2608
2SD0601A0L
Q2609
2SB0709A0L
Q2612
2SD0601A0L
Q2613
2SB0709A0L
A20
TO
R-P.C.B.
(R1)
REMOTE1
DGND
STB+5V
TEMP LED
LAMP LED1
LAMP LED2
POWER-G LED
POWER-R LED
DGND
BATTERY
HI-ON
A21
TO
BLST1
BLST ON/OFF
DGND
LAMP SENCE
240W/300W H:LOW
+3.3V
STB+3.3V
STB+1.8V
BATT1.8V
BATT3V
+STB3.3V
FACTORY
PROTECT
POWER GOOD
PWRLED
PWRLED2
REMOTE_IN
TEMP_LED
LAMP1_LED
LAMP2_LED
REMOTE_FR
REMOTE_RE
ANALOGH
ANALOGV
LAMPSYNC1
CPUHS
CPUVS
REMOTE_IN2
REMOTE_FR2
REMOTE_RE2
LAMP1_DET
LAMP2_DET
FXSEL
FSTATUS
FCLK
HIIC1
HSCL
HSDA
DIMMER2
CASL
RAS3L
CKE
CKIO
OPIRQ
WAIT
REW_DET
SCL4
SDA4
HIGH=3.3V
LOW=0.0V
41
42
43
44
45
46
47
48
49
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51
52
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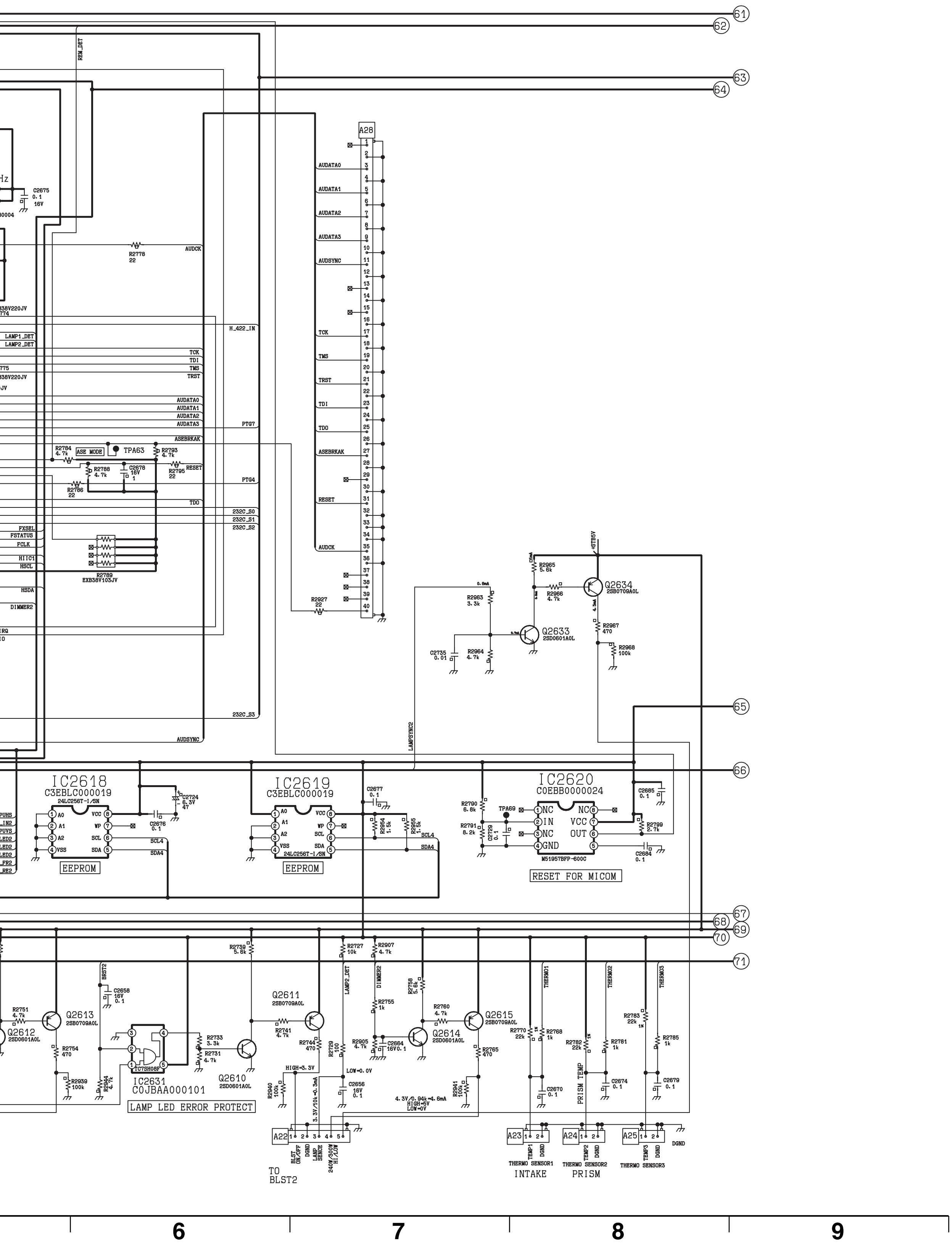
54


61
62
63
64
65
66
67
68
69
70
71
REM_DET
A28
AUDATA0
AUDATA1
AUDATA2
AUDATA3
AUDSYNC
TCK
TMS
TRST
TDI
TDO
ASEBRKAK
RESET
AUDCK
R2927 22
C2675 0.1 16V
R2778 22
H_422_IN
LAMP1_DET
LAMP2_DET
PTG7
PTG4
R2784 4.7k
ASE MODE
TPA63
R2793 4.7k
R2788 4.7k
C2678 16V 1
R2795 22
R2786 22
232C_S0
232C_S1
232C_S2
232C_S3
FXSEL
FSTATUS
FCLK
HIIC1
HSCL
HSDA
DIMMER2
R2789 EXB38V103JV
R2965 5.6k
R2966 4.7k
Q2634 2SB0709A0L
+5TB5V
R2963 3.3k
Q2633 2SD0601A0L
R2967 470
R2968 100k
C2735 0.01
R2964 4.7k
LAMPSYNC2
IC2618 C3EBLC000019
24LC256T-I/SN
C2724 6.3V 47
C2676 0.1
SCL4
SDA4
EEPROM
IC2619 C3EBLC000019
24LC256T-I/SN
C2677 0.1
R2904 1.5k
R2905 1.5k
EEPROM
IC2620 C0EBB0000024
R2790 6.8k
TPA69
R2791 8.2k
C2729 0.1
NC
IN
NC
GND
VCC
OUT
C2685 0.1
R2799 2.7k
C2684 0.1
M51957BFP-600C
RESET FOR MICOM
R2739 5.6k
R2727 10k
R2907 4.7k
BLST2
C2658 16V 0.1
R2751 4.7k
Q2613 2SB0709A0L
Q2612 2SD0601A0L
R2754 470
R2939 100k
R2944 4.7k
IC2631 C0JBAA000101
TC7SH08F
LAMP LED ERROR PROTECT
R2733 3.3k
R2731 4.7k
Q2610 2SD0601A0L
Q2611 2SB0709A0L
R2741 4.7k
R2744 470
R2940 100k
HIGH=3.3V
LAMP2_DET
R2729 100
LOW=0.0V
C2656 16V 0.1
DIMMER2
R2755 1k
R2758 5.6k
R2760 4.7k
Q2615 2SB0709A0L
Q2614 2SD0601A0L
R2905 4.7k
C2664 16V 0.1
R2765 470
R2941 100k
4.3V/0.94k-4.6mA
HIGH=5V
LOW=0V
3.3V/10k-0.3mA
A22
BLST ON/OFF
DGND
LAMP SENSE
240W/200W HI/LOW
TO BLST2
THERMO1
THERMO2
THERMO3
R2770 22k
R2768 1k
R2782 22k
R2781 1k
R2783 22k
R2785 1k
C2670 0.1
C2674 0.1
C2679 0.1
PRISM TEMP
A23
A24
A25
TEMP1
TEMP2
TEMP3
DGND
THERMO SENSOR1
THERMO SENSOR2
THERMO SENSOR3
INTAKE
PRISM
6
7
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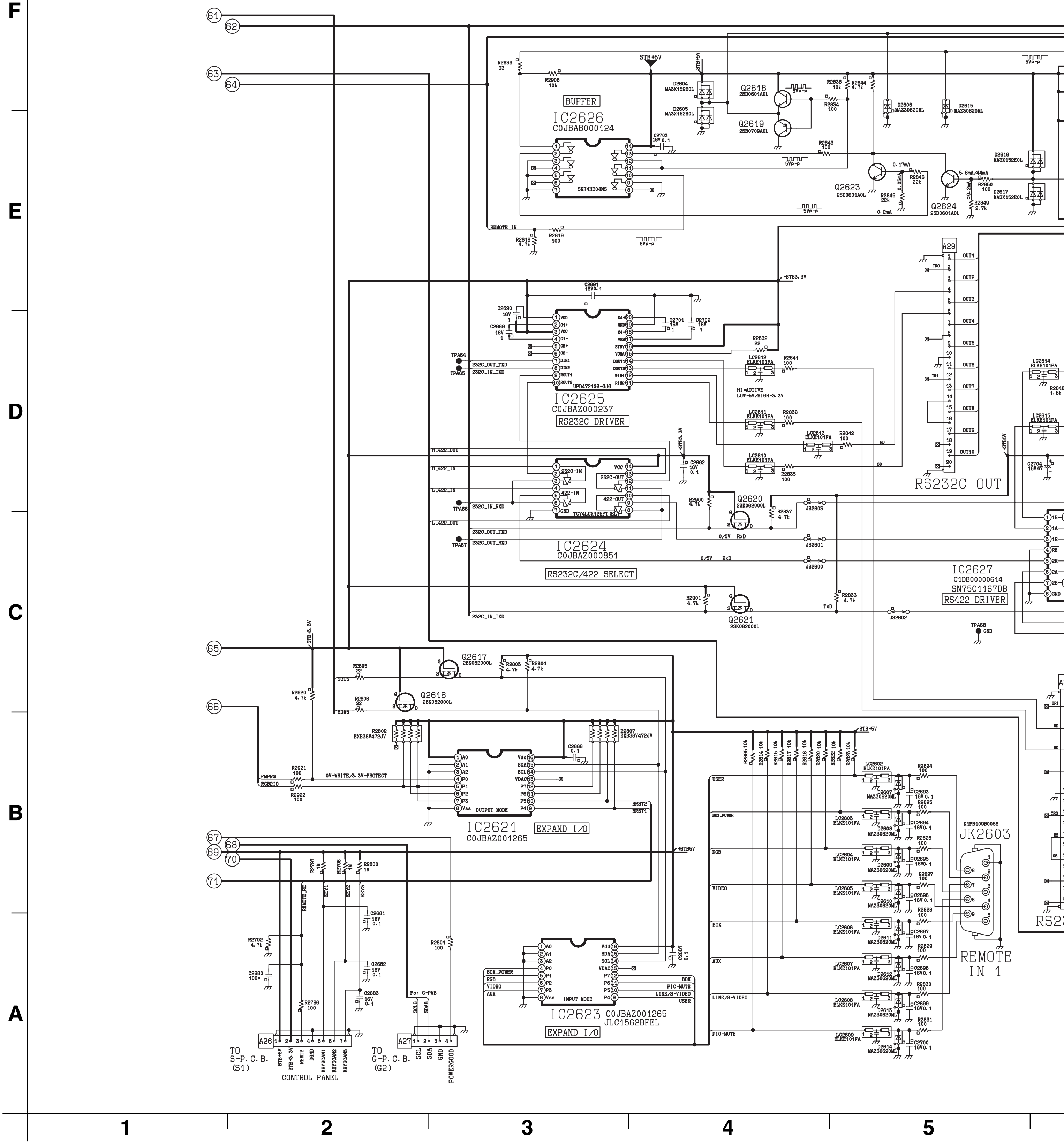
15.7. A-P.C.Board (7/7)

A - P. C. Board TXN/A2VJM8 (7/7)



F
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C
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A
1
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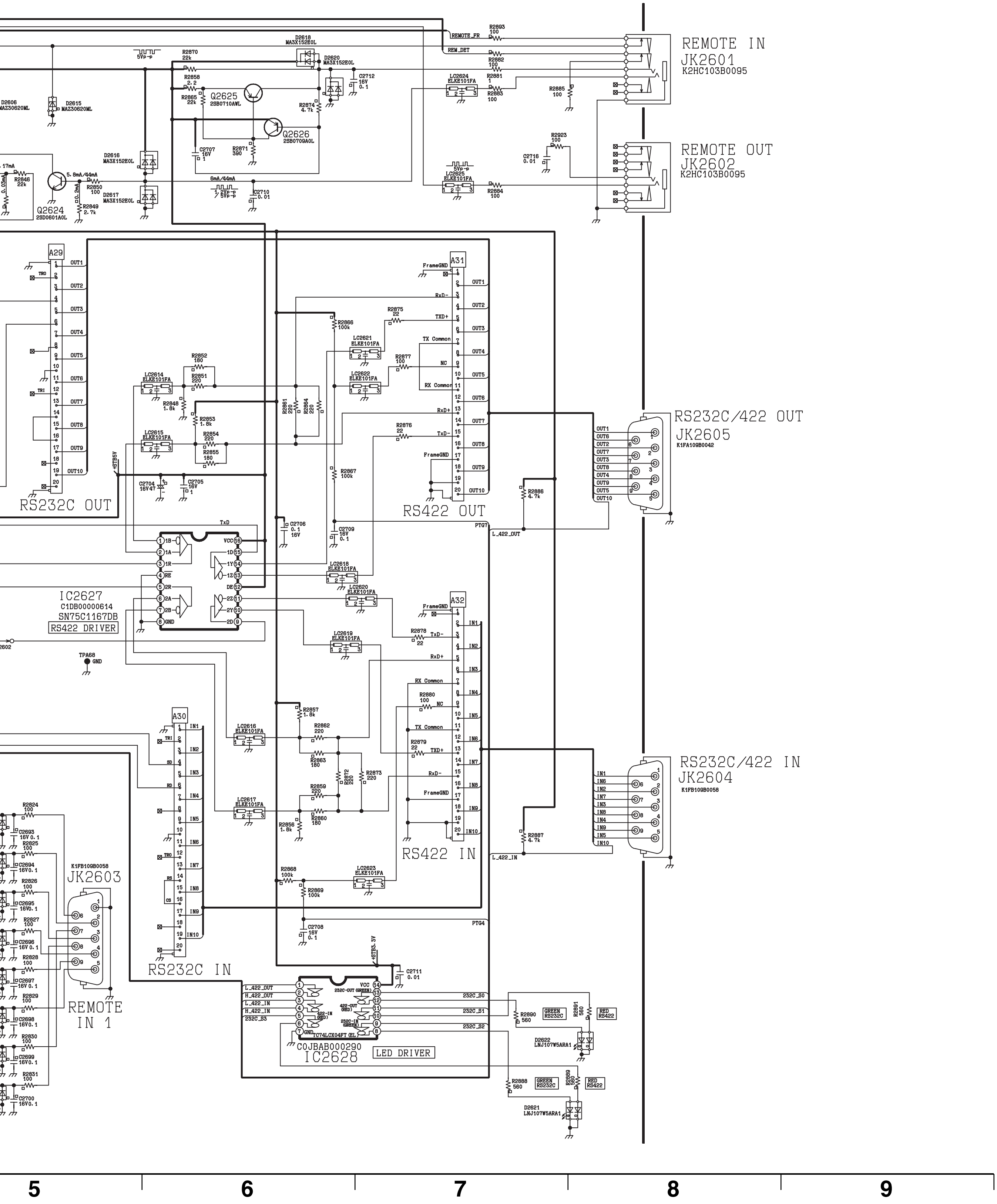
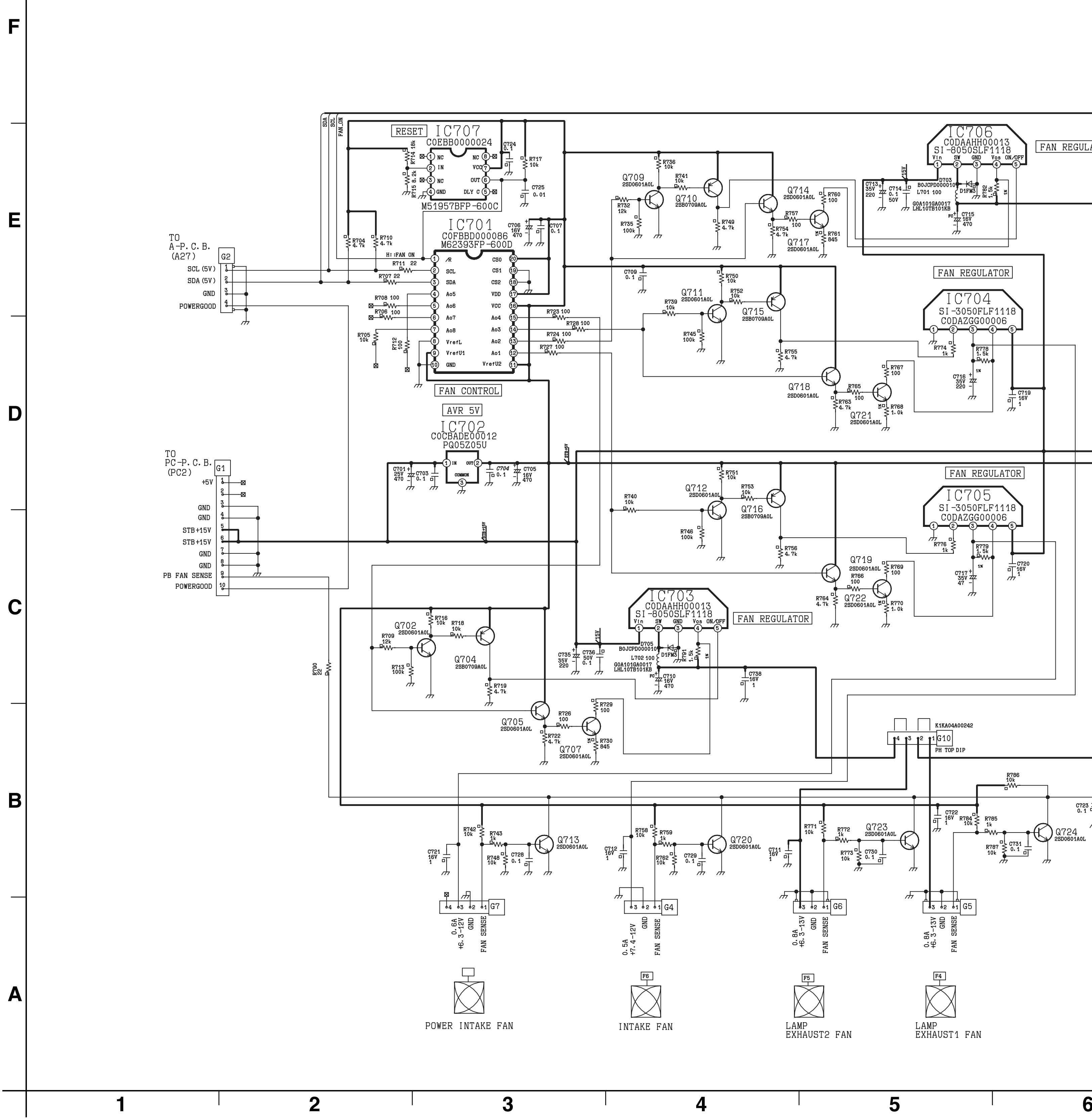
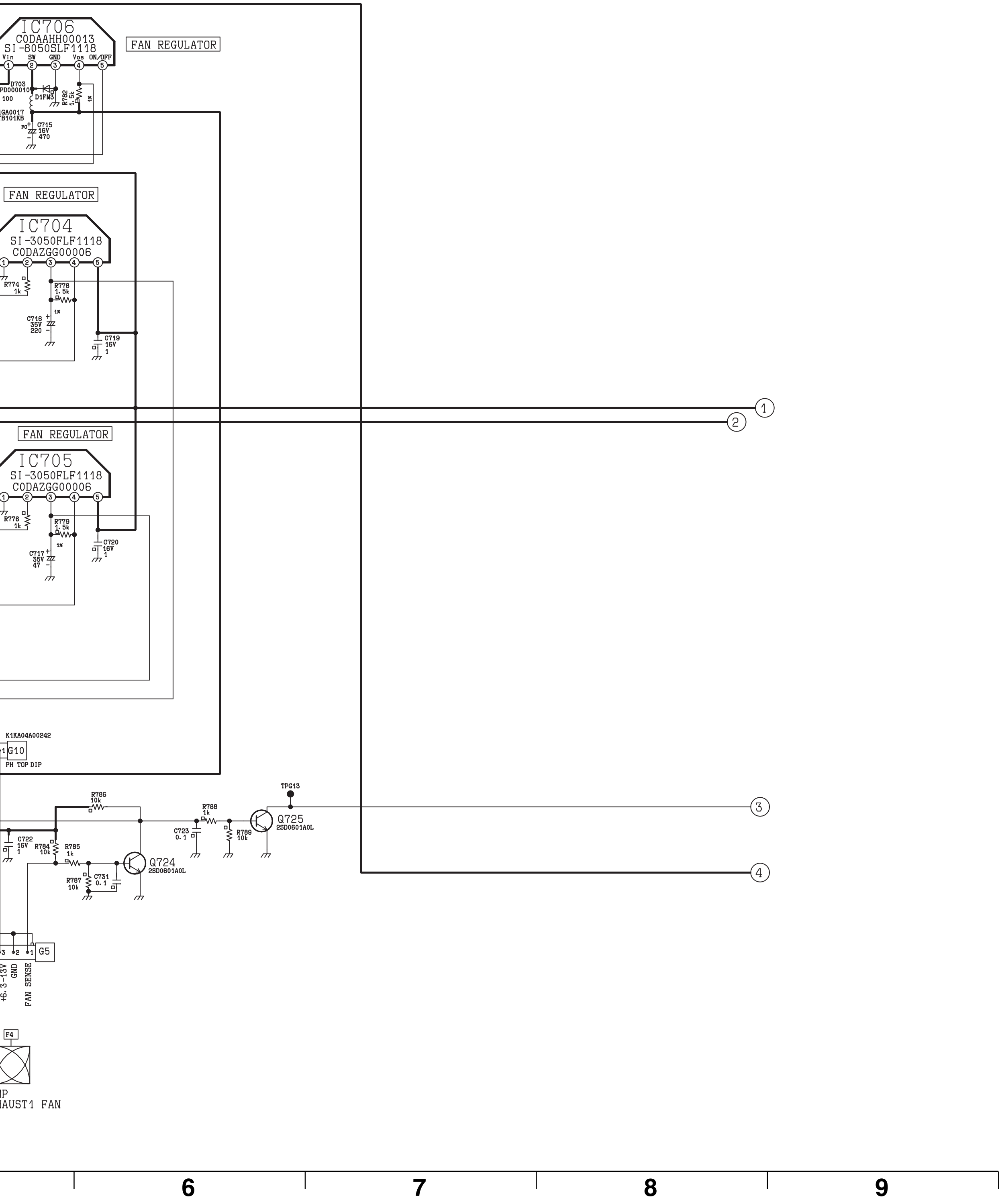
3
4
5
61
62
63
64
65
66
67
68
69
70
71
STB+5V
R2839 33
R2908 10k
BUFFER
IC2626
C0JBAB000124
SN74HC04NS
C2703 16V 0.1
D2604 MA3X152E0L
D2605 MA3X152E0L
Q2618 2SD0601A0L
Q2619 2SB0709A0L
R2838 10k
R2844 4.7k
R2834 100
R2843 100
D2606 MAZ30620ML
D2615 MAZ30620ML
D2616 MA3X152E0L
D2617 MA3X152E0L
Q2623 2SD0601A0L
Q2624 2SD0601A0L
R2845 22k
R2846 22k
R2850 100
R2849 2.7k
0.17mA
0.2mA
5.8mA/44mA
5Vp-p
REMOTE_IN
R2816 4.7k
R2819 100
A29
OUT1
OUT2
OUT3
OUT4
OUT5
OUT6
OUT7
OUT8
OUT9
OUT10
TRO
TRI
RD
SD
+STB3.3V
C2691 16V 0.1
C2690 16V 1
C2689 16V 1
C2701 16V 1
C2702 16V 1
TPA64
TPA65
232C_OUT_TXD
232C_IN_TXD
UPD4721GS-GJG
IC2625
C0JBAZ000237
RS232C DRIVER
R2832 22
LC2612 ELKE101FA
R2841 100
HI=ACTIVE
LOW=5V/HIGH=3.3V
LC2611 ELKE101FA
R2836 100
LC2613 ELKE101FA
R2842 100
LC2610 ELKE101FA
R2835 100
RS232C OUT
LC2614 ELKE101FA
R2848 1.8k
LC2615 ELKE101FA
C2704 16V47
H_422_OUT
H_422_IN
L_422_IN
L_422_OUT
+STB3.3V
C2692 16V 0.1
232C-IN
422-IN
232C-OUT
422-OUT
TC74LCX125FT
TPA66
232C_IN_RXD
TPA67
232C_OUT_TXD
232C_OUT_RXD
IC2624
C0JBAZ000851
RS232C/422 SELECT
R2900 4.7k
Q2620 2SK0620000L
R2837 4.7k
JS2603
0/5V RxD
JS2601
JS2600
IC2627
C1DB00000614
SN75C1167DB
RS422 DRIVER
R2901 4.7k
Q2621 2SK062000L
R2833 4.7k
TxD
JS2602
232C_IN_TXD
TPA68 GND
STB+3.3V
Q2617 2SK062000L
R2803 4.7k
R2804 4.7k
R2805 22
SCL5
Q2616 2SK062000L
R2806 22
SDA5
R2920 4.7k
R2802 EXB38V472JV
R2807 EXB38V472JV
C2686 0.1
FMPRG
RGB210
R2921 100
R2922 100
0V=WRITE/3.3V=PROTECT
OUTPUT MODE
IC2621
C0JBAZ001265
EXPAND I/O
BRST2
BRST1
+STB5V
R2797 1M
R2798 1M
R2800 1M
REMOTE_RE
KEY1
KEY2
KEY3
C2681 16V 0.1
C2682 16V 0.1
C2683 16V 0.1
R2792 4.7k
C2680 100p
R2796 100
R2801 100
For G-PWB
SCL8
SDA8
BOX_POWER
RGB
VIDEO
AUX
BOX
PIC-MUTE
LINE/S-VIDEO
USER
INPUT MODE
IC2623 C0JBAZ001265
JLC1562BFEL
EXPAND I/O
C2687 0.1
A26
TO S-P.C.B. (S1)
STB+5V
STB+3.3V
REMT2
DGND
KEYSCAN1
KEYSCAN2
KEYSCAN3
CONTROL PANEL
A27
TO G-P.C.B. (G2)
SCL
SDA
GND
POWERGOOD
STB+5V
R2895 10k
R2814 10k
R2815 10k
R2817 10k
R2818 10k
R2820 10k
R2822 10k
R2823 10k
USER
BOX_POWER
RGB
VIDEO
BOX
AUX
LINE/S-VIDEO
PIC-MUTE
LC2602 ELKE101FA
LC2603 ELKE101FA
LC2604 ELKE101FA
LC2605 ELKE101FA
LC2606 ELKE101FA
LC2607 ELKE101FA
LC2608 ELKE101FA
LC2609 ELKE101FA
D2607 MAZ30620ML
D2608 MAZ30620ML
D2609 MAZ30620ML
D2610 MAZ30620ML
D2611 MAZ30620ML
D2612 MAZ30620ML
D2613 MAZ30620ML
D2614 MAZ30620ML
R2824 100
R2825 100
R2826 100
R2827 100
R2828 100
R2829 100
R2830 100
R2831 100
C2693 16V 0.1
C2694 16V 0.1
C2695 16V 0.1
C2696 16V 0.1
C2697 16V 0.1
C2698 16V 0.1
C2699 16V 0.1
C2700 16V 0.1
K1FB109B0058
JK2603
REMOTE IN 1


REMOTE IN
JK2601
K2HC103B0095
REMOTE OUT
JK2602
K2HC103B0095
RS232C/422 OUT
JK2605
K1FA109B0042
RS232C/422 IN
JK2604
K1FB109B0058
Q2625
2SB0710AWL
Q2626
2SB0709A0L
Q2624
2SD0601A0L
A29
RS232C OUT
A31
RS422 OUT
IC2627
C1DB00000614
SN75C1167DB
RS422 DRIVER
A32
RS422 IN
A30
RS232C IN
K1FB109B0058
JK2603
REMOTE
IN 1
IC2628
C0JBAB000290
TC74LCX04FT (EL)
LED DRIVER
D2622
LNJ107W5ARA1
D2621
LNJ107W5ARA1
GREEN RS232C
RED RS422
TPA68
GND
5
6
7
8
9

15.8. G-P.C.Board (1/2)

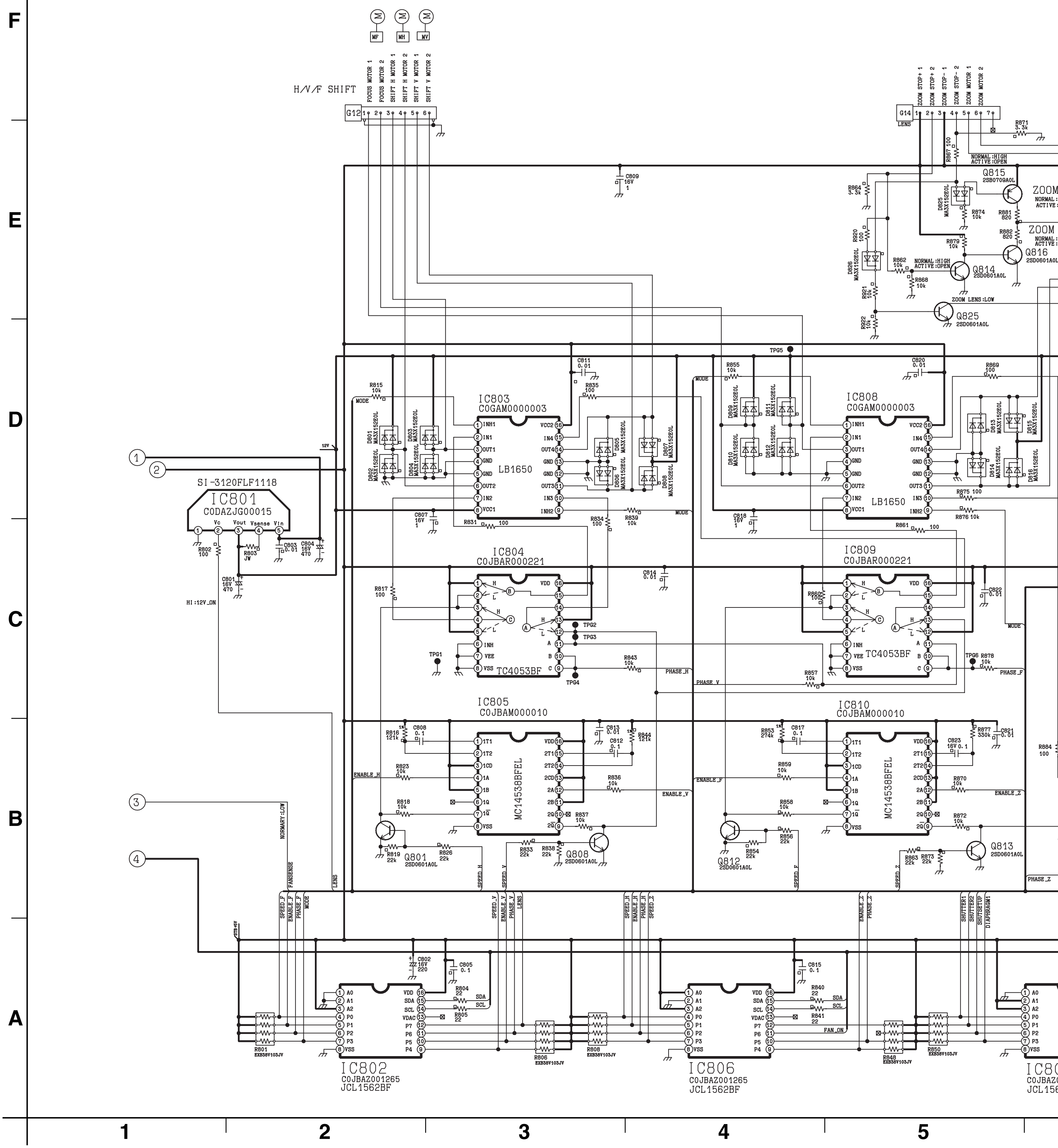
G - P. C. Board TXN/G1VJM8 (1/2)

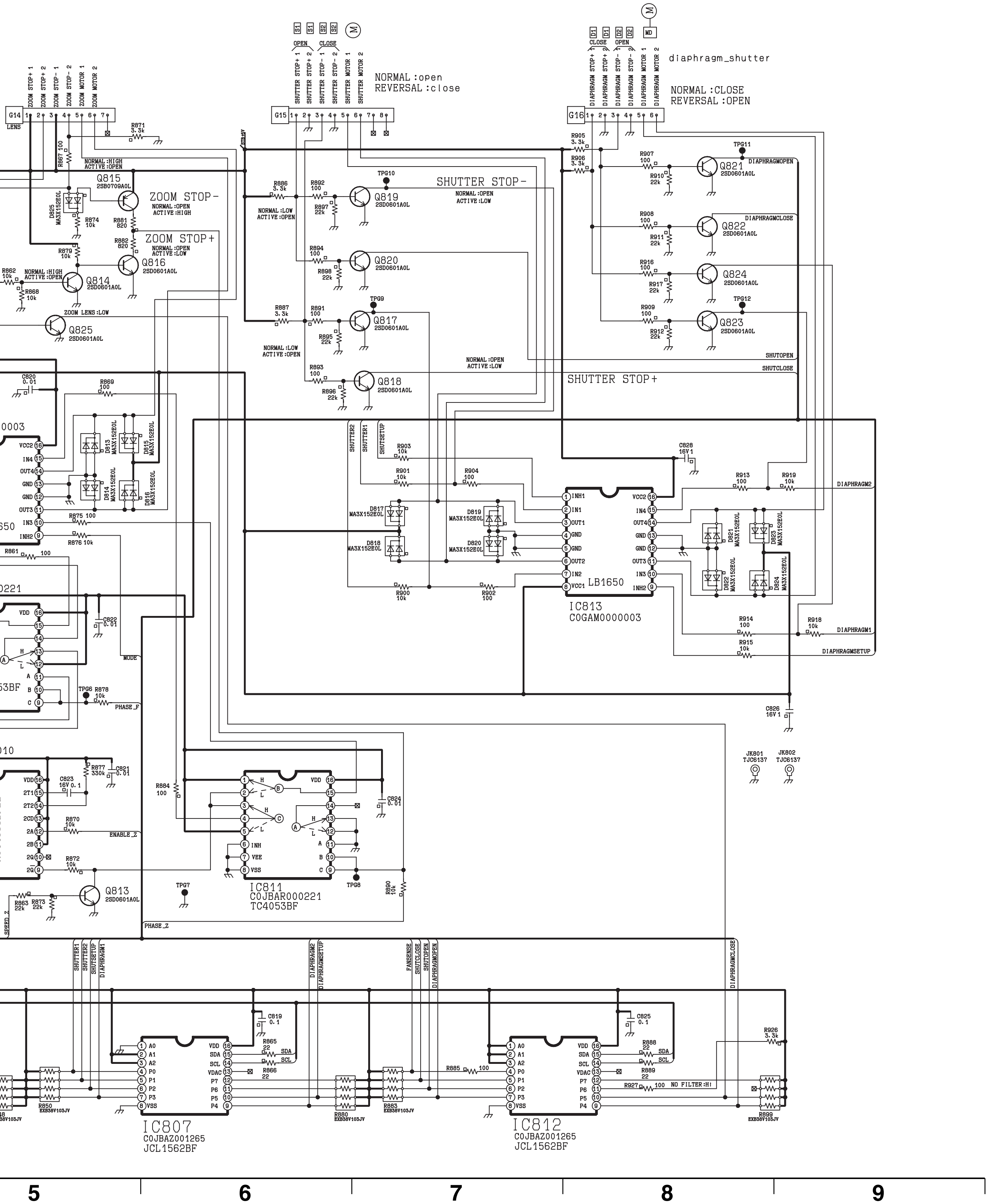

F
E
D
C
B
A
1
2
3
4
5
6
RESET
IC707
C0EBB0000024
M51957BFP-600C
NC
IN
NC
GND
VCC
OUT
DLY C
C724 0.1
R717 10k
C725 0.01
R714 18k
R715 2.2k
IC701
C0FBBD000086
M62393FP-600D
H:FAN ON
/R
SCL
SDA
Ao5
Ao6
Ao7
Ao8
VrefL
VrefU1
GND
CS0
CS1
CS2
VDD
VCC
Ao4
Ao3
Ao2
Ao1
VrefU2
FAN CONTROL
R704 4.7k
R710 4.7k
R711 22
R707 22
R708 100
R706 100
R705 10k
R712 100
C706 16V 470
C707 0.1
R723 100
R728 100
R724 100
R727 100
SDA
SCL
FAN ON
TO A-P.C.B. (A27)
G2
SCL (5V)
SDA (5V)
GND
POWERGOOD
AVR 5V
IC702
C0CBADE00012
PQ05Z05U
IN
OUT
COMMON
C701 25V 470
C703 0.1
C704 0.1
C705 16V 470
TO PC-P.C.B. (PC2)
G1
+5V
GND
GND
STB+15V
STB+15V
GND
GND
PB FAN SENSE
POWERGOOD
STB+15V
Q709 2SD0601A0L
R736 10k
R741 10k
R732 12k
R735 100k
Q710 2SB0709A0L
R749 4.7k
Q714 2SD0601A0L
R760 100
R757 100
R754 4.7k
R761 845
Q717 2SD0601A0L
IC706
C0DAAHH00013
SI-8050SLF1118
Vin
SW
GND
Vos
ON/OFF
FAN REGULATOR
C713 35V 220
C714 0.1 50V
B0JCPD000010
D703
D1FM3
L701 100
G0A101GA0017
LHL10TB101KB
C715 16V 470
R782 1.5k
1k
C709 0.1
R750 10k
R752 10k
Q711 2SD0601A0L
R739 10k
R745 100k
Q715 2SB0709A0L
R755 4.7k
Q718 2SD0601A0L
R765 100
R763 4.7k
Q721 2SD0601A0L
R767 100
R768 1.0k
FAN REGULATOR
IC704
SI-3050FLF1118
C0DAZGG00006
R774 1k
R778 1.5k
1k
C716 35V 220
C719 16V 1
R751 10k
R753 10k
Q712 2SD0601A0L
R740 10k
R746 100k
Q716 2SB0709A0L
R756 4.7k
Q719 2SD0601A0L
R766 100
R764 4.7k
Q722 2SD0601A0L
R769 100
R770 1.0k
FAN REGULATOR
IC705
SI-3050FLF1118
C0DAZGG00006
R776 1k
R779 1.5k
1k
C717 35V 47
C720 16V 1
IC703
C0DAAHH00013
SI-8050SLF1118
Vin
SW
GND
Vos
ON/OFF
FAN REGULATOR
C735 35V 220
C736 50V 0.1
15V
B0JCPD000010
D705
D1FM3
L702 100
G0A101GA0017
LHL10TB101KB
C710 16V 470
R791 1.5k
1k
C738 16V 1
Q702 2SD0601A0L
R716 10k
R718 10k
R709 12k
R713 100k
Q704 2SB0709A0L
R719 4.7k
R790 22
Q705 2SD0601A0L
R722 4.7k
R726 100
R729 100
R730 845
Q707 2SD0601A0L
K1KA04A00242
G10
PH TOP DIP
R786 10k
C723 0.1
R742 10k
R743 1k
R748 10k
C728 0.1
C721 16V 1
Q713 2SD0601A0L
R758 10k
R759 1k
R762 10k
C729 0.1
C712 16V 1
Q720 2SD0601A0L
R771 10k
R772 1k
R773 10k
C730 0.1
C711 16V 1
Q723 2SD0601A0L
C722 16V 1
R784 10k
R785 1k
R787 10k
C731 0.1
Q724 2SD0601A0L
G7
0.6A +6.3-12V
GND
FAN SENSE
G4
0.5A +7.4-12V
GND
FAN SENSE
G6
0.8A +6.3-13V
GND
FAN SENSE
G5
0.8A +6.3-13V
GND
FAN SENSE
F6
F5
F4
POWER INTAKE FAN
INTAKE FAN
LAMP EXHAUST2 FAN
LAMP EXHAUST1 FAN


IC706
C0DAAHH00013
SI-8050SLF1118
FAN REGULATOR
Vin
SW
GND
Vos
ON/OFF
1
2
3
4
5
D703
PD000010
100
D1FM3
R782
1.5k
1%
GA0017
TB101KB
FC
C715
16V
470
FAN REGULATOR
IC704
SI-3050FLF1118
C0DAZGG00006
R774
1k
R778
1.5k
1%
C716
35V
220
C719
16V
1
①
②
FAN REGULATOR
IC705
SI-3050FLF1118
C0DAZGG00006
R776
1k
R779
1.5k
1%
C717
35V
47
C720
16V
1
K1KA04A00242
G10
PH TOP DIP
R786
10k
TPG13
R788
1k
Q725
2SD0601A0L
C723
0.1
R789
10k
③
C722
16V
1
R784
10k
R785
1k
Q724
2SD0601A0L
R787
10k
C731
0.1
④
3
2
1
G5
+6.3-13V
GND
FAN SENSE
F4
MP
HAUST1 FAN
6
7
8
9

15.9. G-P.C.Board (2/2)

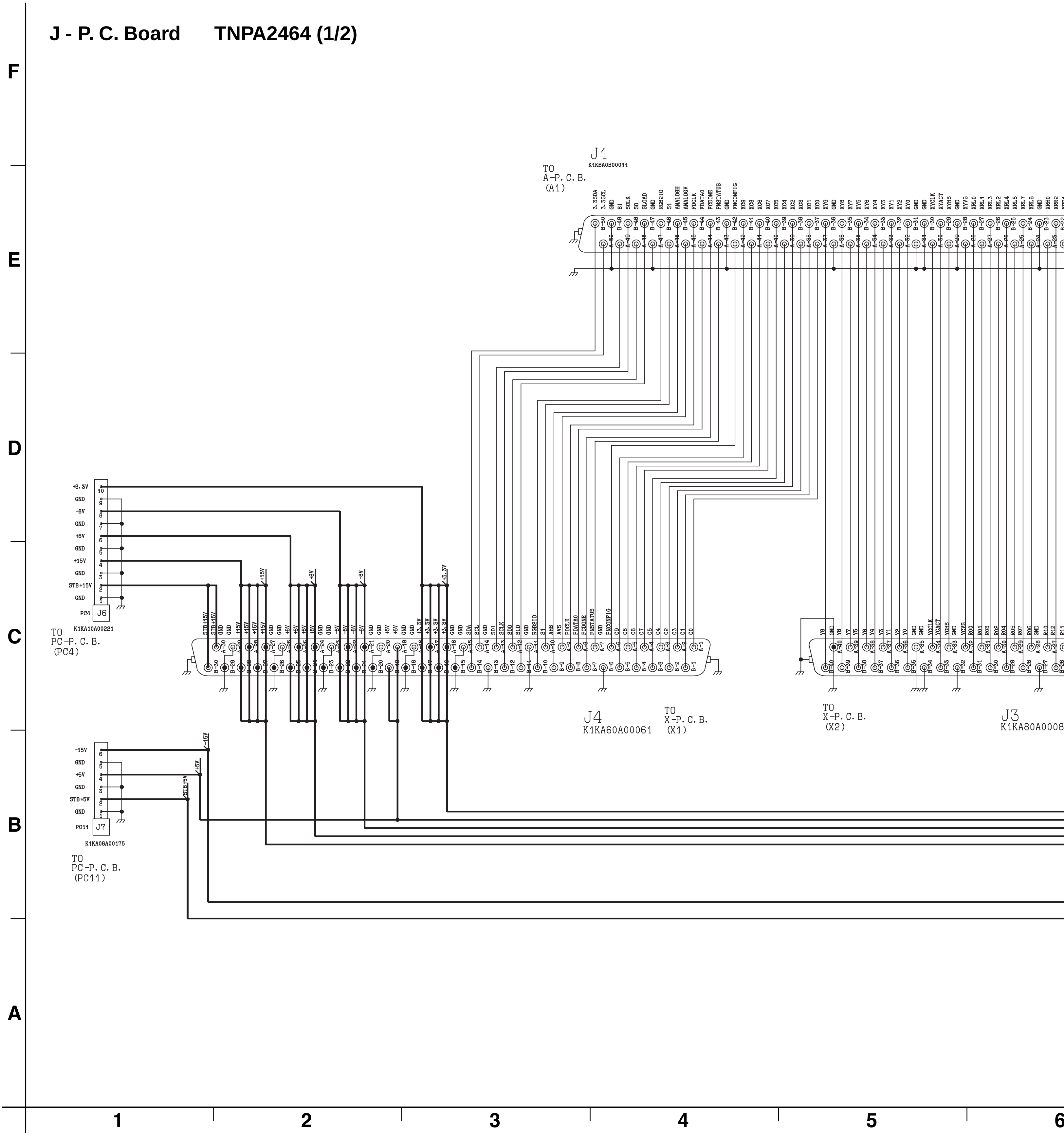
G - P. C. Board TXN/G1VJM8 (2/2)

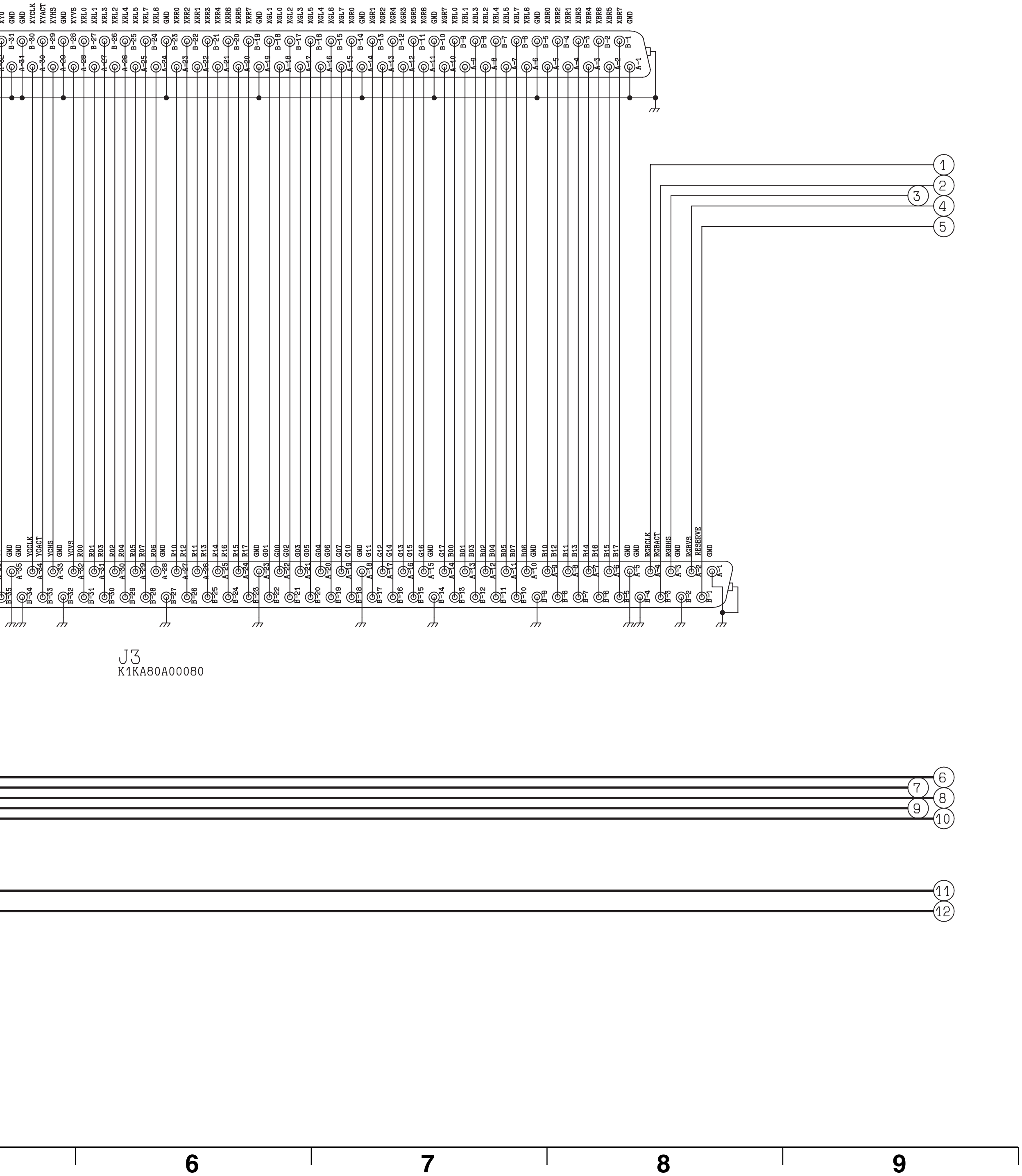

F
E
D
C
B
A
1
2
3
4
5
MF
MH
MV
H/V/F SHIFT
G12
FOCUS MOTOR 1
FOCUS MOTOR 2
SHIFT H MOTOR 1
SHIFT H MOTOR 2
SHIFT V MOTOR 1
SHIFT V MOTOR 2
G14
LENS
ZOOM STOP+ 1
ZOOM STOP+ 2
ZOOM STOP- 1
ZOOM STOP- 2
ZOOM MOTOR 1
ZOOM MOTOR 2
R871 3.3k
R867 100
NORMAL:HIGH ACTIVE:OPEN
Q815 2SB0709A0L
ZOOM
Q816 2SD0601A0L
Q814 2SD0601A0L
Q825 2SD0601A0L
ZOOM LENS:LOW
C809 16V 1
IC803 C0GAM0000003 LB1650
IC808 C0GAM0000003 LB1650
IC801 C0DAZJG00015 SI-3120FLF1118
Vc Vout Vsense Vin
R802 100
R803 JW
C803 0.01
C804 16V 470
C801 16V 470
HI:12V_ON
12V
MODE
TPG5
IC804 C0JBAR000221 TC4053BF
IC809 C0JBAR000221 TC4053BF
TPG1
TPG2
TPG3
TPG4
TPG6
IC805 C0JBAM000010 MC14538BFEL
IC810 C0JBAM000010 MC14538BFEL
Q801 2SD0601A0L
Q808 2SD0601A0L
Q812 2SD0601A0L
Q813 2SD0601A0L
ENABLE_H
ENABLE_V
ENABLE_F
ENABLE_Z
PHASE_H
PHASE_V
PHASE_F
PHASE_Z
SPEED_H
SPEED_V
SPEED_F
SPEED_Z
NORMARY:LOW
FANSENSE
LENS
STB+5V
SHUTTER1
SHUTTER2
SHUTSETUP
DIAPHRAGM1
IC802 C0JBAZ001265 JCL1562BF
IC806 C0JBAZ001265 JCL1562BF
C802 16V 220
C805 0.1
C815 0.1
SDA
SCL
FAN_ON
R801 EXB38V103JV
R806 EXB38V103JV
R808 EXB38V103JV
R848 EXB38V103JV
R850 EXB38V103JV
①
②
③
④


G14
LENS
ZOOM STOP+ 1
ZOOM STOP+ 2
ZOOM STOP- 1
ZOOM STOP- 2
ZOOM MOTOR 1
ZOOM MOTOR 2
G15
SHUTTER STOP+ 1
SHUTTER STOP+ 2
SHUTTER STOP- 1
SHUTTER STOP- 2
SHUTTER MOTOR 1
SHUTTER MOTOR 2
S1
S2
OPEN
CLOSE
NORMAL :open
REVERSAL :close
G16
D1
D2
MD
DIAPHRAGM STOP+ 1
DIAPHRAGM STOP+ 2
DIAPHRAGM STOP- 1
DIAPHRAGM STOP- 2
DIAPHRAGM MOTOR 1
DIAPHRAGM MOTOR 2
diaphragm_shutter
NORMAL :CLOSE
REVERSAL :OPEN
ZOOM STOP-
NORMAL :OPEN
ACTIVE :HIGH
ZOOM STOP+
NORMAL :OPEN
ACTIVE :LOW
NORMAL :HIGH
ACTIVE :OPEN
ZOOM LENS :LOW
Q815 2SB0709A0L
Q816 2SD0601A0L
Q814 2SD0601A0L
Q825 2SD0601A0L
D825 MA3X152E0L
SHUTTER STOP-
SHUTTER STOP+
NORMAL :OPEN
ACTIVE :LOW
NORMAL :LOW
ACTIVE :OPEN
Q819 2SD0601A0L
Q820 2SD0601A0L
Q817 2SD0601A0L
Q818 2SD0601A0L
TPG9
TPG10
TPG11
TPG12
Q821 2SD0601A0L
Q822 2SD0601A0L
Q824 2SD0601A0L
Q823 2SD0601A0L
DIAPHRAGMOPEN
DIAPHRAGMCLOSE
SHUTOPEN
SHUTCLOSE
SHUTTER2
SHUTTER1
SHUTSETUP
IC813
C0GAM0000003
LB1650
INH1
IN1
OUT1
GND
OUT2
IN2
VCC1
VCC2
IN4
OUT4
OUT3
IN3
INH2
D817 MA3X152E0L
D818 MA3X152E0L
D819 MA3X152E0L
D820 MA3X152E0L
D821 MA3X152E0L
D822 MA3X152E0L
D823 MA3X152E0L
D824 MA3X152E0L
D813 MA3X152E0L
D814 MA3X152E0L
D815 MA3X152E0L
D816 MA3X152E0L
DIAPHRAGM2
DIAPHRAGM1
DIAPHRAGMSETUP
C828 16V 1
C826 16V 1
JK801 TJC6137
JK802 TJC6137
MODE
PHASE_F
ENABLE_Z
PHASE_Z
SPEED_Z
TPG6
TPG7
TPG8
Q813 2SD0601A0L
IC811
C0JBAR000221
TC4053BF
INH
VEE
VSS
VDD
IC807
C0JBAZ001265
JCL1562BF
IC812
C0JBAZ001265
JCL1562BF
A0
A1
A2
P0
P1
P2
P3
P4
P5
P6
P7
VDAC
SCL
SDA
NO FILTER :H
PANSENSE
R850 EXB38V103JV
R880 EXB38V103JV
R883 EXB38V103JV
R899 EXB38V103JV
5
6
7
8
9

15.10. J-P.C.Board (1/2)

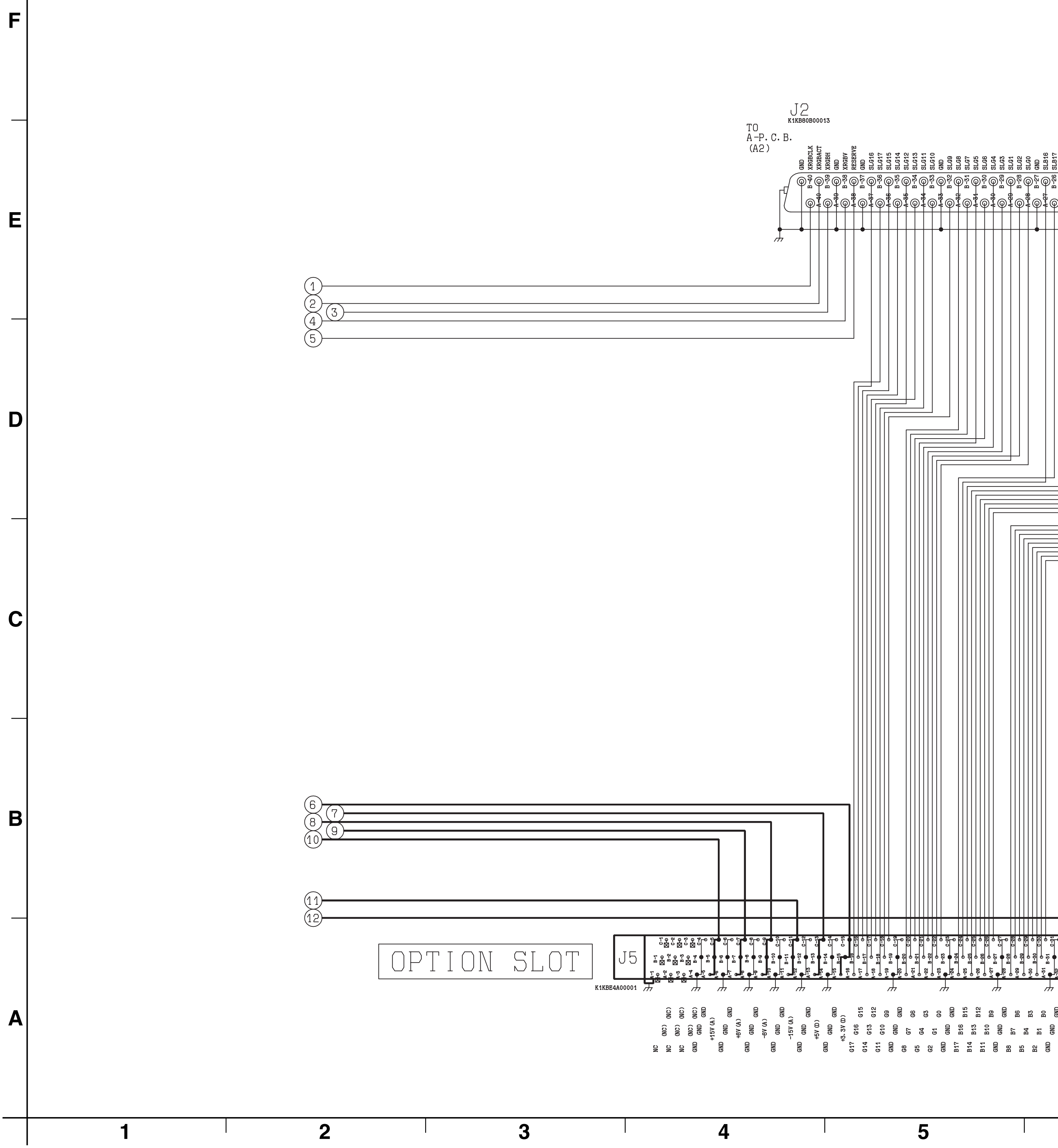
J - P. C. Board TNPA2464 (1/2)

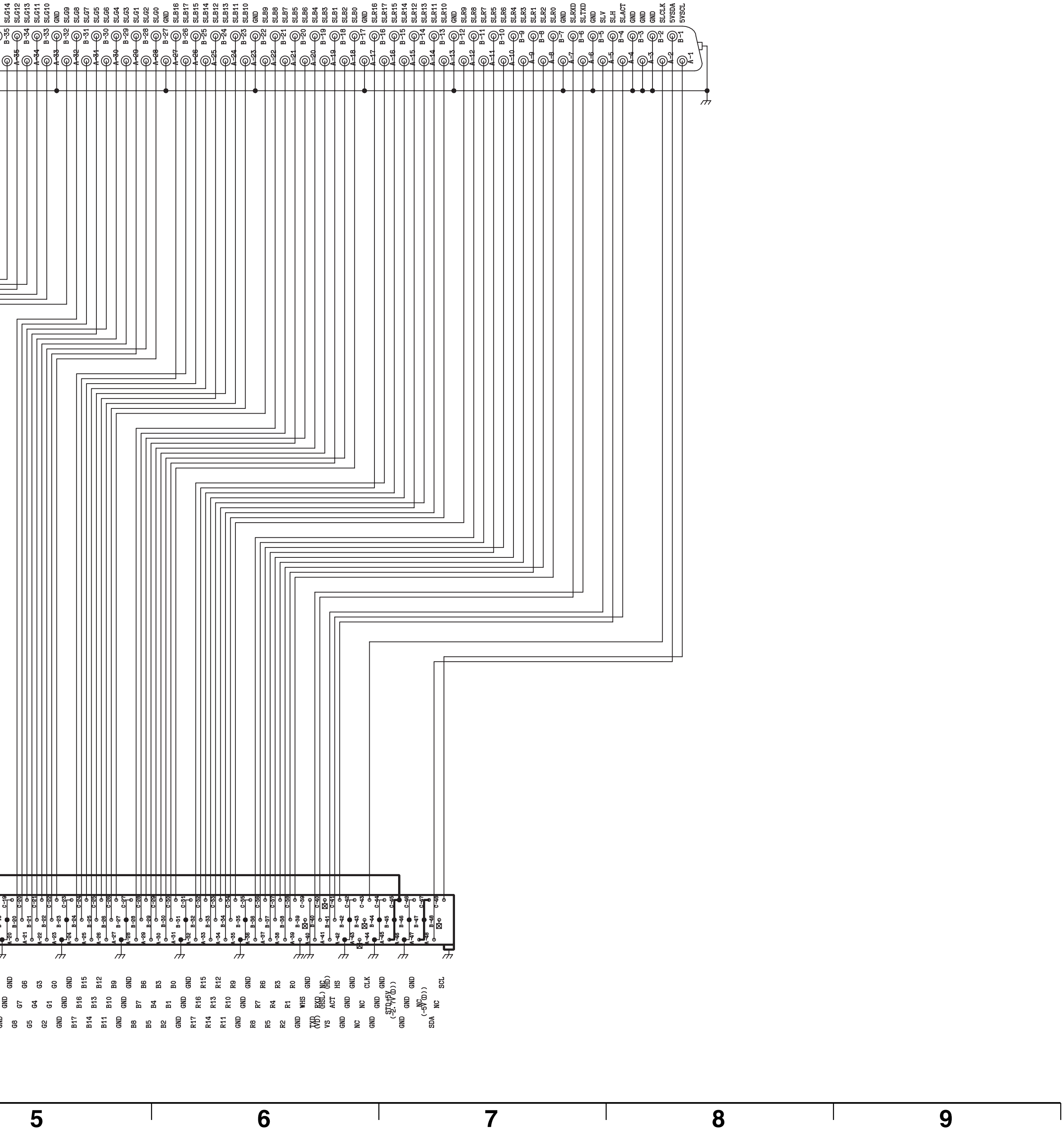

F
E
D
C
B
A
1
2
3
4
5
6
J1
K1KBA0B00011
TO
A-P.C.B.
(A1)
3.3SDA 3.3SCL GND S1 SCLK SO SLOAD GND RGB210 S1 ANALOGH ANALOGV FDCLK FDATA0 FCDONE FNSTATUS GND FNCONFIG XC9 XC8 XC6 XC7 XC5 XC4 XC2 XC3 XC1 XC0 XY9 GND XY8 XY7 XY5 XY6 XY4 XY3 XY1 XY2 XY0 GND GND XYCLK XYACT XYHS GND XYVS XRL0 XRL1 XRL3 XRL2 XRL4 XRL5 XRL7 XRL6 GND XRR0 XRR2
+3.3V
GND
-8V
GND
+8V
GND
+15V
GND
STB+15V
GND
PC4
J6
K1KA10A00221
TO
PC-P.C.B.
(PC4)
+15V
+8V
-8V
+3.3V
STB+15V STB+15V GND GND +15V +15V +15V +15V GND GND +8V +8V +8V GND GND -8V -8V -8V GND GND +5V +5V GND GND +3.3V +3.3V +3.3V GND GND SDA SCL GND SDI SCLK SDO SLD GND RGB210 S1 AHS AVS FDCLK FDATA0 FCDONE FNSTATUS GND FNCONFIG C9 C8 C6 C7 C5 C4 C2 C3 C1 C0
J4
K1KA60A00061
TO
X-P.C.B.
(X1)
Y9 GND Y8 Y7 Y5 Y6 Y4 Y3 Y1 Y2 Y0 GND GND YCCLK YCACT YCHS GND YCVS R00 R01 R03 R02 R04 R05 R07 R06 GND R10 R12 R11
TO
X-P.C.B.
(X2)
J3
K1KA80A0008
-15V
GND
+5V
GND
STB+5V
GND
PC11
J7
K1KA06A00175
-15V
+5V
STB+5V
TO
PC-P.C.B.
(PC11)


GND
GND
XYCLK
XYACT
XYHS
GND
XYVS
XRL0
XRL1
XRL3
XRL2
XRL4
XRL5
XRL7
XRL6
GND
XRR0
XRR2
XRR1
XRR3
XRR4
XRR6
XRR5
XRR7
GND
XGL1
XGL0
XGL2
XGL3
XGL5
XGL4
XGL6
XGL7
XGR0
GND
XGR1
XGR2
XGR4
XGR3
XGR5
XGR6
GND
XGR7
XBL0
XBL1
XBL3
XBL2
XBL4
XBL5
XBL7
XBL6
GND
XBR0
XBR2
XBR1
XBR3
XBR4
XBR6
XBR5
XBR7
GND
GND
GND
YCCLK
YCACT
YCHS
GND
YCVS
R00
R01
R03
R02
R04
R05
R07
R06
GND
R10
R12
R11
R13
R14
R16
R15
R17
GND
G01
G00
G02
G03
G05
G04
G06
G07
G10
GND
G11
G12
G14
G13
G15
G16
GND
G17
B00
B01
B03
B02
B04
B05
B07
B06
GND
B10
B12
B11
B13
B14
B16
B15
B17
GND
GND
RGBCLK
RGBACT
RGBHS
GND
RGBVS
RESERVE
GND
J3
K1KA80A00080
1
2
3
4
5
6
7
8
9
10
11
12
6
7
8
9

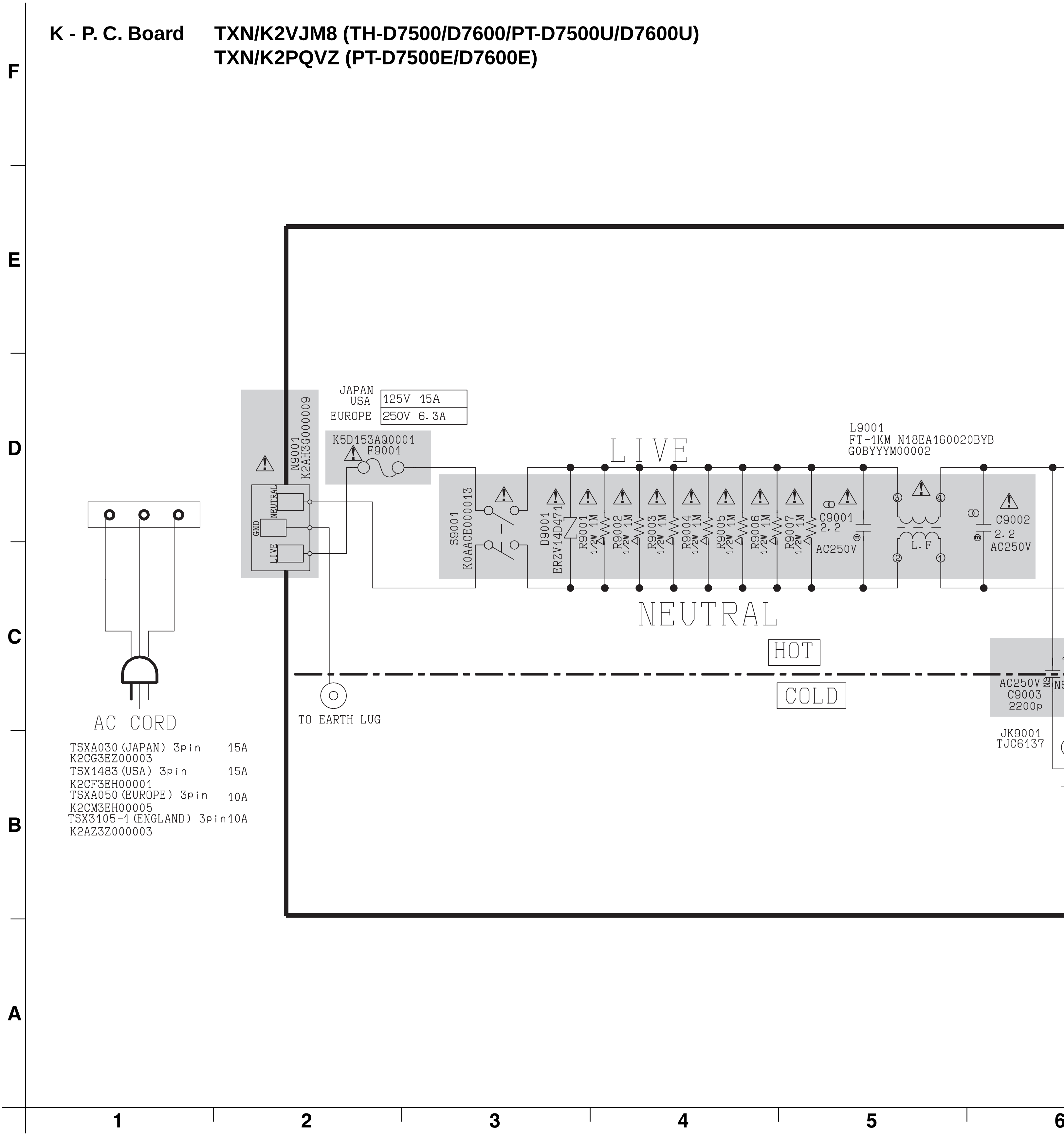
15.11. J-P.C.Board (2/2)

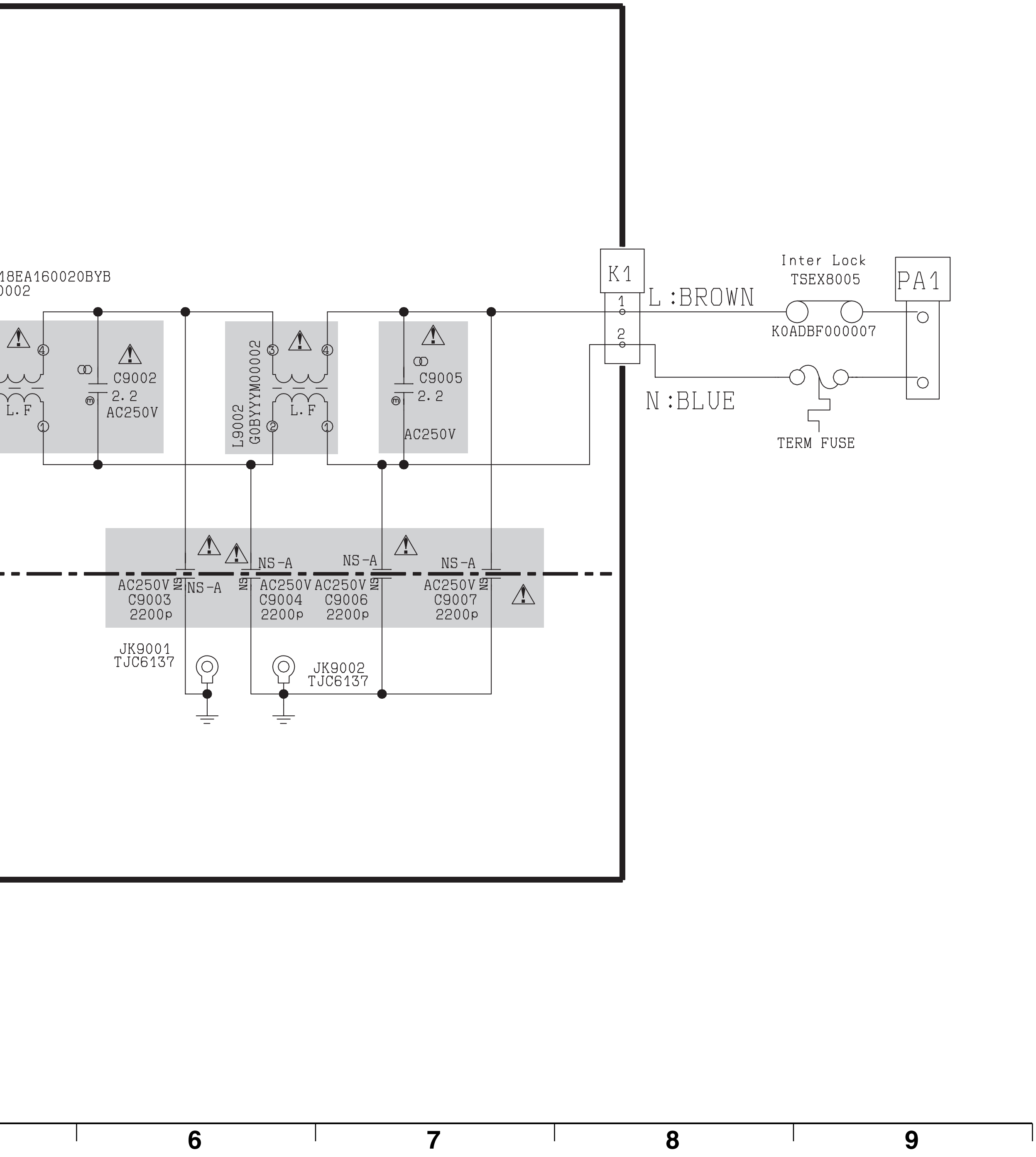
J - P. C. Board TNPA2464 (2/2)


F
E
D
C
B
A
1
2
3
4
5
J2
K1KB80B00013
TO
A-P.C.B.
(A2)
GND
XRGBCLK
XRGBACT
XRGBH
GND
XRGBV
RESERVE
GND
SLG16
SLG17
SLG15
SLG14
SLG12
SLG13
SLG11
SLG10
GND
SLG9
SLG8
SLG7
SLG5
SLG6
SLG4
SLG3
SLG1
SLG2
SLG0
GND
SLB16
SLB17
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
OPTION SLOT
J5
K1KBE4A00001
NC
(NC)
(NC)
NC
(NC)
(NC)
NC
(NC)
(NC)
GND
GND
GND
+15V (A)
GND
GND
GND
+8V (A)
GND
GND
GND
-8V (A)
GND
GND
GND
-15V (A)
GND
GND
GND
+5V (D)
GND
GND
+3.3V (D)
G17
G16
G15
G14
G13
G12
G11
G10
G9
GND
GND
GND
G8
G7
G6
G5
G4
G3
G2
G1
G0
GND
GND
GND
B17
B16
B15
B14
B13
B12
B11
B10
B9
GND
GND
GND
B8
B7
B6
B5
B4
B3
B2
B1
B0
GND
GND
GND


SLG14 SLG12 SLG13 SLG11 SLG10 GND SLG9 SLG8 SLG7 SLG5 SLG6 SLG4 SLG3 SLG1 SLG2 SLG0 GND SLB16 SLB17 SLB15 SLB14 SLB12 SLB13 SLB11 SLB10 GND SLB9 SLB8 SLB7 SLB5 SLB6 SLB4 SLB3 SLB1 SLB2 SLB0 GND SLR16 SLR17 SLR15 SLR14 SLR12 SLR13 SLR11 SLR10 GND SLR9 SLR8 SLR7 SLR5 SLR6 SLR4 SLR3 SLR1 SLR2 SLR0 GND SLRXD SLTXD GND SLV SLH SLACT GND GND GND SLCLK 5VSDA 5VSCL
GND G6 G3 G0 GND B15 B12 B9 GND B6 B3 B0 GND R15 R12 R9 GND R6 R3 R0 GND NC (HD) HS GND CLK GND GND SCL
GND G7 G4 G1 GND B16 B13 B10 GND B7 B4 B1 GND R16 R13 R10 GND R7 R4 R1 WHS RXD (HSL) ACT GND NC GND STD+5V (-2.7V(D)) GND NC (-5V(D)) NC
G8 G5 G2 GND B17 B14 B11 GND B8 B5 B2 GND R17 R14 R11 GND R8 R5 R2 GND TXD (VD) VS GND NC GND GND SDA
5
6
7
8
9

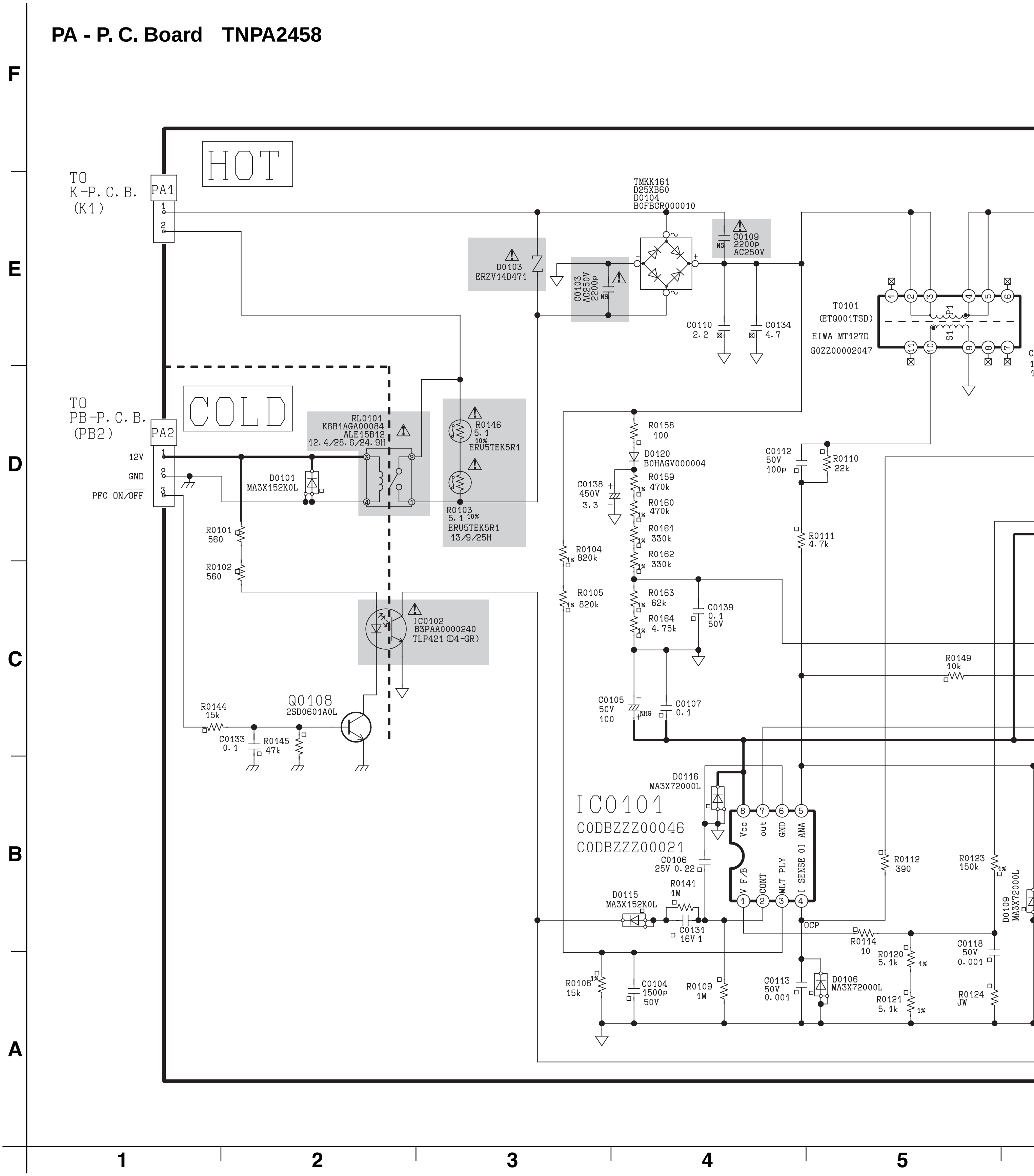
15.12. K-P.C.Board

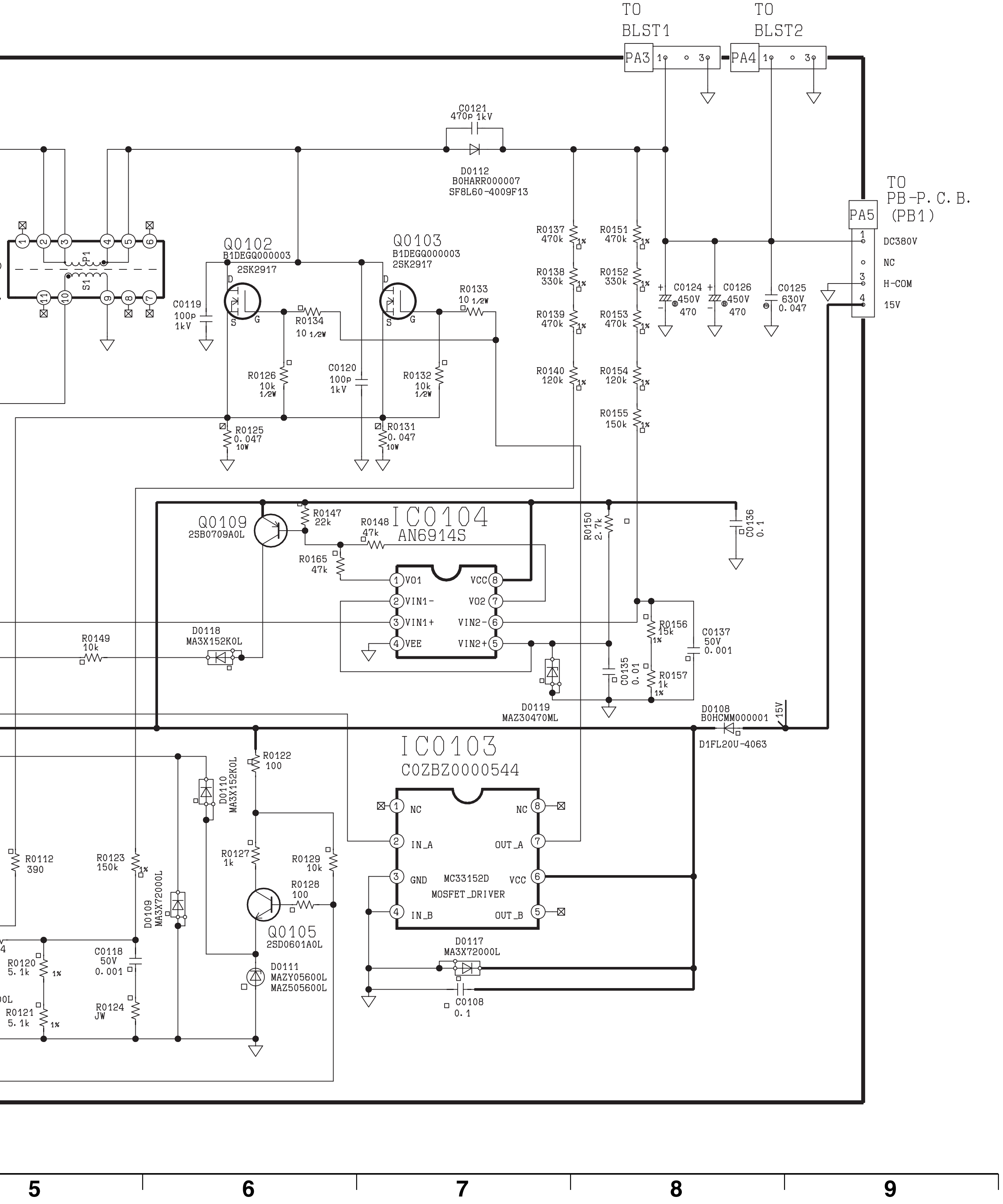

K - P. C. Board
TXN/K2VJM8 (TH-D7500/D7600/PT-D7500U/D7600U)
TXN/K2PQVZ (PT-D7500E/D7600E)
F
E
D
C
B
A
1
2
3
4
5
6
JAPAN
USA
125V 15A
EUROPE
250V 6.3A
N9001
K2AH3G000009
NEUTRAL
GND
LIVE
K5D153AQ0001
F9001
LIVE
L9001
FT-1KM N18EA160020BYB
G0BYYYM00002
S9001
K0AACE000013
D9001
ERZV14D471
R9001 1/2W 1M
R9002 1/2W 1M
R9003 1/2W 1M
R9004 1/2W 1M
R9005 1/2W 1M
R9006 1/2W 1M
R9007 1/2W 1M
C9001
2.2
AC250V
③
④
②
①
L.F
C9002
2.2
AC250V
NEUTRAL
HOT
COLD
AC250V
C9003
2200p
JK9001
TJC6137
TO EARTH LUG
AC CORD
TSXA030(JAPAN) 3pin 15A
K2CG3EZ00003
TSX1483(USA) 3pin 15A
K2CF3EH00001
TSXA050(EUROPE) 3pin 10A
K2CM3EH00005
TSX3105-1(ENGLAND) 3pin 10A
K2AZ3Z000003


18EA160020BYB
0002
L.F
C9002
2.2
AC250V
L9002
G0BYYYM00002
L.F
C9005
2.2
AC250V
K1
1
2
L:BROWN
N:BLUE
Inter Lock
TSEX8005
K0ADBF000007
TERM FUSE
PA1
NS-A
NS-A
NS-A
NS-A
AC250V
C9003
2200p
AC250V
C9004
2200p
AC250V
C9006
2200p
AC250V
C9007
2200p
JK9001
TJC6137
JK9002
TJC6137
6
7
8
9

15.13. PA-P.C.Board

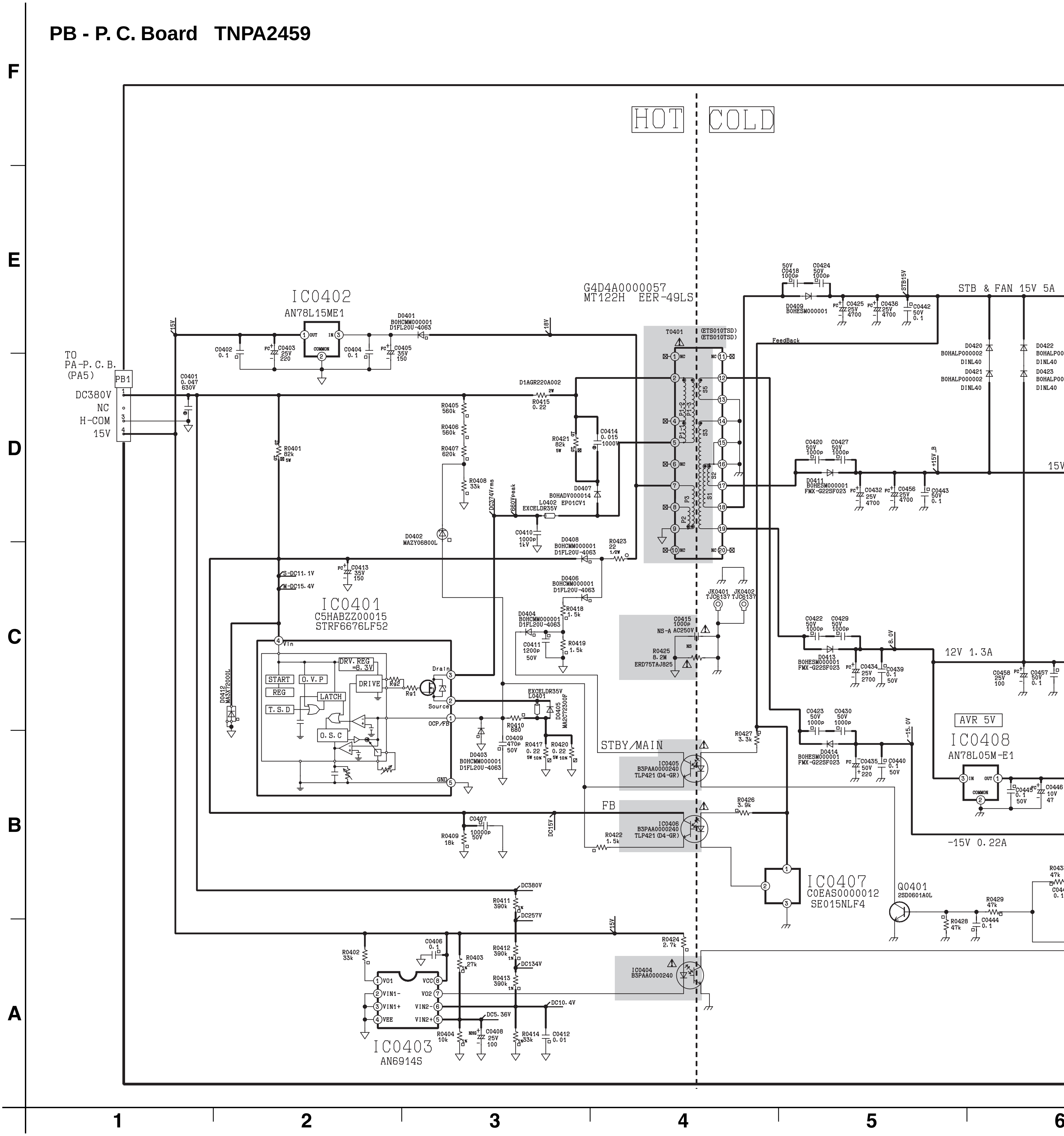
PA - P. C. Board TNPA2458

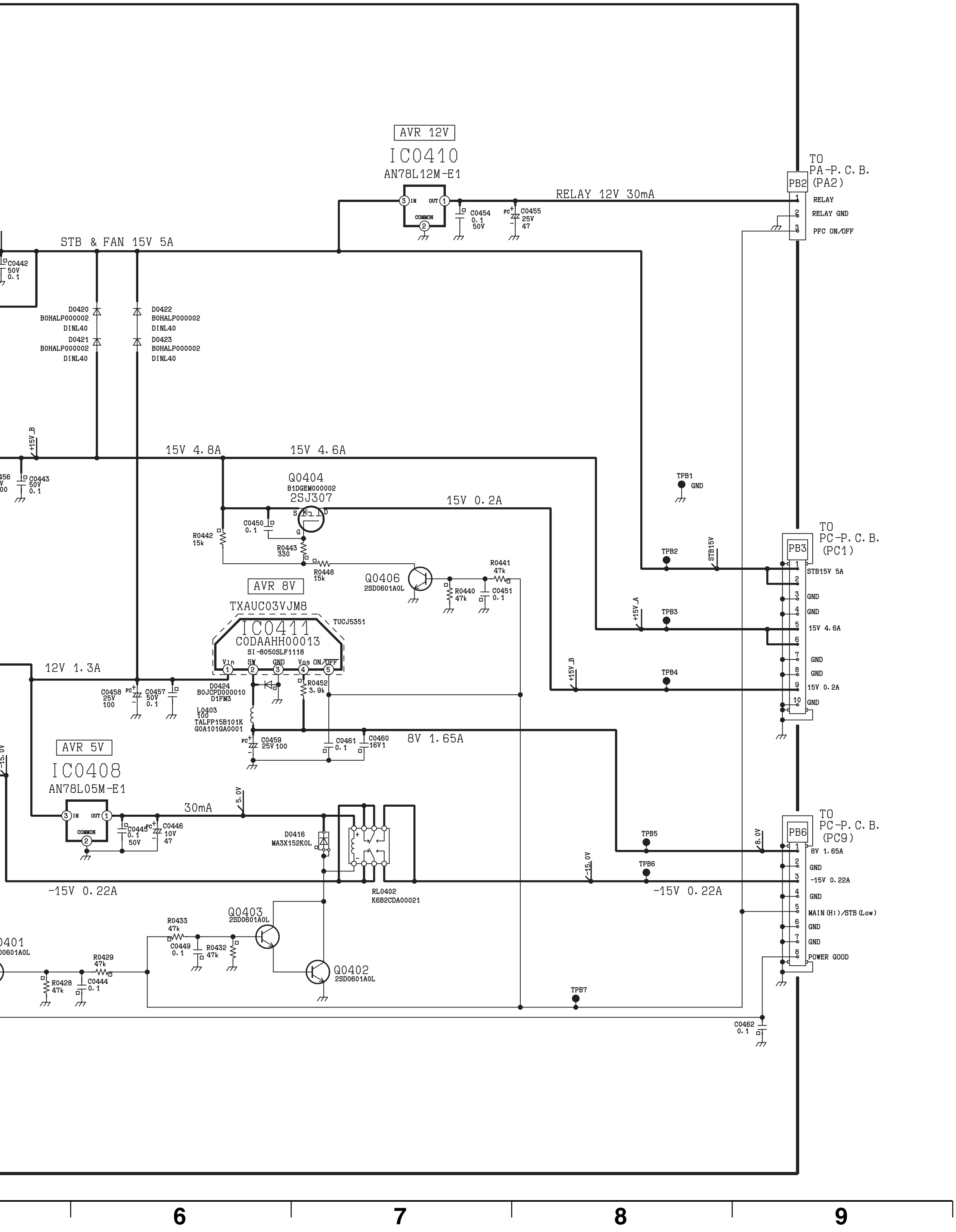

F
E
D
C
B
A
1
2
3
4
5
HOT
COLD
TO K-P.C.B. (K1)
PA1
TO PB-P.C.B. (PB2)
PA2
12V
GND
PFC ON/OFF
TMKK161
D25XB60
D0104
B0FBCR000010
D0103
ERZV14D471
C0103
AC250V
2200p
C0109
2200p
AC250V
C0110
2.2
C0134
4.7
T0101
(ETQ001TSD)
EIWA MT127D
G0ZZ00002047
P1
S1
RL0101
K6B1AGA00084
ALE15B12
12.4/28.6/24.9H
D0101
MA3X152K0L
R0146
5.1 10%
ERU5TEK5R1
R0103
5.1 10%
ERU5TEK5R1
13/9/25H
R0101
560
R0102
560
IC0102
B3PAA0000240
TLP421(D4-GR)
R0144
15k
C0133
0.1
R0145
47k
Q0108
2SD0601A0L
R0158
100
D0120
B0HAGV000004
C0138
450V
3.3
R0159
470k
R0160
470k
R0161
330k
R0162
330k
R0104
820k
R0105
820k
R0163
62k
R0164
4.75k
C0139
0.1
50V
C0105
50V
100
NHG
C0107
0.1
C0112
50V
100p
R0110
22k
R0111
4.7k
R0149
10k
D0116
MA3X72000L
IC0101
C0DBZZZ00046
C0DBZZZ00021
Vcc
out
GND
I SENSE OI ANA
V F/B
CONT
MLT PLY
C0106
25V 0.22
R0141
1M
D0115
MA3X152K0L
C0131
16V 1
OCP
R0112
390
R0123
150k
D0109
MA3X72000L
R0114
10
R0120
5.1k
C0118
50V
0.001
R0106
15k
C0104
1500p
50V
R0109
1M
C0113
50V
0.001
D0106
MA3X72000L
R0121
5.1k
R0124
JW
1%
NS


TO BLST1
TO BLST2
PA3
PA4
TO PB-P.C.B. (PB1)
PA5
DC380V
NC
H-COM
15V
C0121 470p 1kV
D0112 B0HARR000007 SF8L60-4009F13
P1
S1
Q0102 B1DEGQ000003 2SK2917
Q0103 B1DEGQ000003 2SK2917
C0119 100p 1kV
R0134 10 1/2W
R0133 10 1/2W
R0126 10k 1/2W
C0120 100p 1kV
R0132 10k 1/2W
R0125 0.047 10W
R0131 0.047 10W
R0137 470k 1%
R0138 330k 1%
R0139 470k 1%
R0140 120k 1%
R0151 470k 1%
R0152 330k 1%
R0153 470k 1%
R0154 120k 1%
R0155 150k 1%
C0124 450V 470
C0126 450V 470
C0125 630V 0.047
Q0109 2SB0709A0L
R0147 22k
R0148 47k
R0165 47k
IC0104 AN6914S
VO1
VIN1-
VIN1+
VEE
VCC
VO2
VIN2-
VIN2+
R0150 2.7k
C0136 0.1
R0149 10k
D0118 MA3X152K0L
R0156 15k 1%
C0137 50V 0.001
C0135 0.01
R0157 1k 1%
D0119 MAZ30470ML
D0108 B0HCMM000001 D1FL20U-4063
15V
R0122 100
D0110 MA3X152K0L
IC0103 C0ZBZ0000544
NC
IN_A
GND
IN_B
OUT_A
VCC
OUT_B
MC33152D MOSFET_DRIVER
R0112 390
R0123 150k 1%
D0109 MA3X72000L
R0127 1k
R0129 10k
R0128 100
Q0105 2SD0601A0L
D0111 MAZY05600L MAZ505600L
D0117 MA3X72000L
C0108 0.1
C0118 50V 0.001
R0120 5.1k 1%
R0121 5.1k 1%
R0124 JW
5
6
7
8
9

15.14. PB-P.C.Board

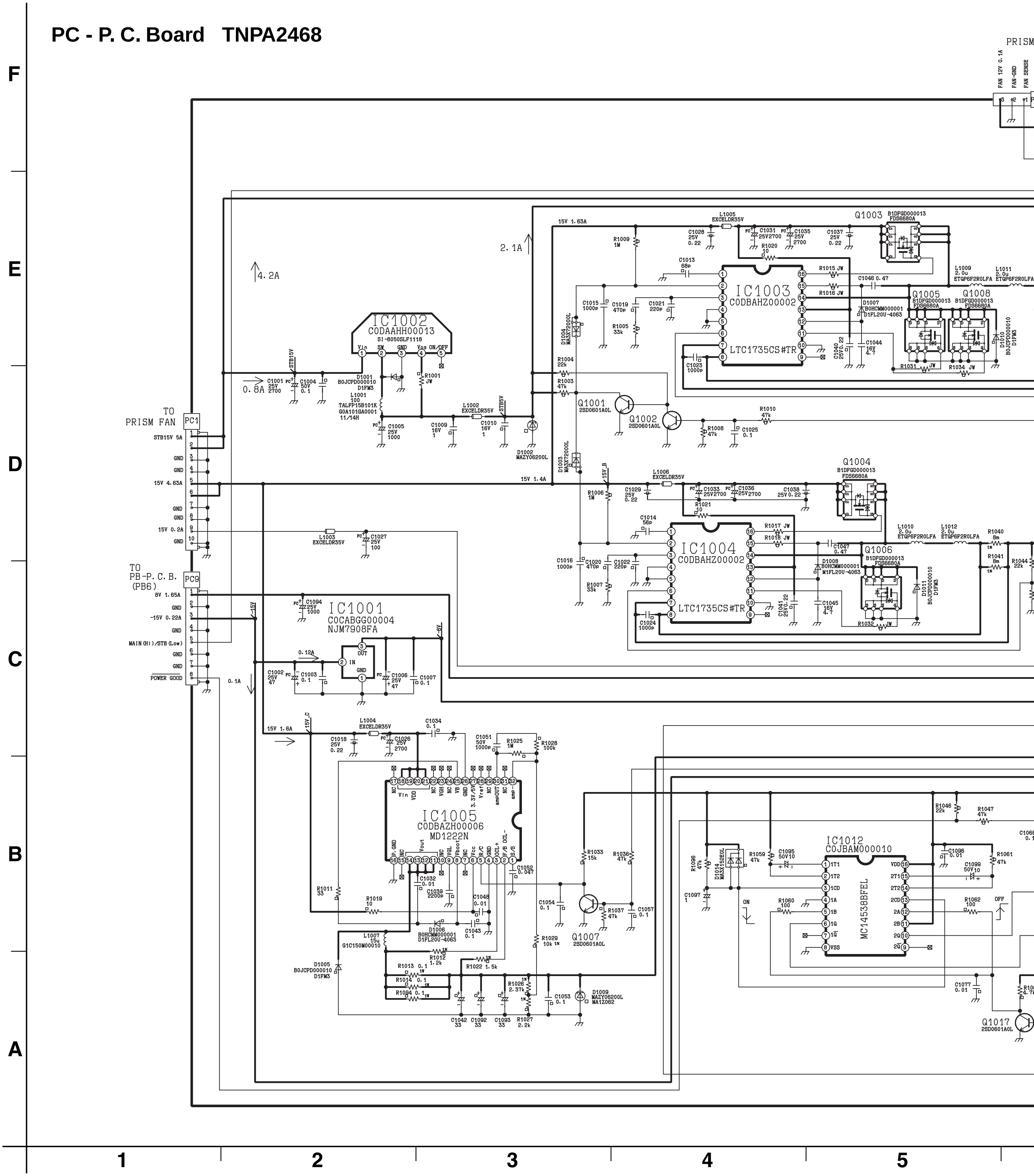
PB - P. C. Board TNPA2459


HOT
COLD
TO PA-P.C.B. (PA5)
PB1
DC380V
NC
H-COM
15V
IC0402
AN78L15ME1
OUT
IN
COMMON
C0402 0.1
C0403 25V 220
C0404 0.1
C0405 35V 150
D0401 B0HCMM000001 D1FL20U-4063
15V
18V
C0401 0.047 630V
G4D4A0000057
MT122H EER-49LS
T0401
(ETS010TSD)
FeedBack
D1AGR220A002
R0415 0.22 2W
R0405 560k
R0406 560k
R0407 620k
R0408 33k
R0401 82k 5W
R0421 82k 5W
C0414 0.015 1000V
D0407 B0HADV000014 EP01CV1
L0402 EXCELDR35V
DC374Vrms
560Vpeak
C0410 1000p 1kV
D0408 B0HCMM000001 D1FL20U-4063
R0423 22 1/2W
D0402 MAZY06800L
S-DC11.1V
M-DC15.4V
C0413 35V 150
IC0401
C5HABZZ00015
STRF6676LF52
Vin
START
REG
O.V.P
DRV.REG =8.3V
DRIVE
LATCH
T.S.D
O.S.C
Rg2
Rg1
Drain
Source
OCP/FB
GND
D0412 MA3X72000L
D0406 B0HCMM000001 D1FL20U-4063
R0418 1.5k
D0404 B0HCMM000001 D1FL20U-4063
C0411 1200p 50V
R0419 1.5k
EXCELDR35V L0401
D0405 MA2C72300F
R0410 680
C0409 470p 50V
R0417 0.22 5W 10%
R0420 0.22 5W 10%
D0403 B0HCMM000001 D1FL20U-4063
C0415 1000p NS-A AC250V
NS
R0425 8.2M ERD75TAJ825
JK0401 TJC6137
JK0402 TJC6137
STBY/MAIN
IC0405 B3PAA0000240 TLP421 (D4-GR)
FB
IC0406 B3PAA0000240 TLP421 (D4-GR)
R0422 1.5k
C0407 10000p 50V
R0409 18k
DC15V
DC380V
R0411 390k
DC257V
R0412 390k
DC134V
R0413 390k
DC10.4V
DC5.36V
R0402 33k
C0406 0.1
R0403 27k
VO1
VIN1-
VIN1+
VEE
VCC
VO2
VIN2-
VIN2+
R0404 10k
C0408 25V 100
R0414 33k
C0412 0.01
IC0403
AN6914S
R0424 2.7k
IC0404 B3PAA0000240
50V C0418 1000p
C0424 50V 1000p
D0409 B0HESM000001
C0425 25V 4700
C0436 25V 4700
C0442 50V 0.1
STB15V
STB & FAN 15V 5A
D0420 B0HALP000002 DINL40
D0421 B0HALP000002 DINL40
D0422 B0HALP00
D0423 B0HALP00
DINL40
C0420 50V 1000p
C0427 50V 1000p
D0411 B0HESM000001 FMX-G22SF023
C0432 25V 4700
C0456 25V 4700
C0443 50V 0.1
+15V_B
15V
C0422 50V 1000p
C0429 50V 1000p
D0413 B0HESM000001 FMX-G22SF023
C0434 25V 2700
C0439 0.1 50V
8.0V
12V 1.3A
C0458 25V 100
C0457 50V 0.1
C0423 50V 1000p
C0430 50V 1000p
D0414 B0HESM000001 FMX-G22SF023
C0435 50V 220
C0440 0.1 50V
-15.0V
R0427 3.3k
AVR 5V
IC0408
AN78L05M-E1
C0445 0.1 50V
C0446 10V 47
-15V 0.22A
R0426 3.9k
IC0407
C0EAS0000012
SE015NLF4
Q0401
2SD0601A0L
R0429 47k
R0428 47k
C0444 0.1
R0433 47k
F
E
D
C
B
A
1
2
3
4
5
6

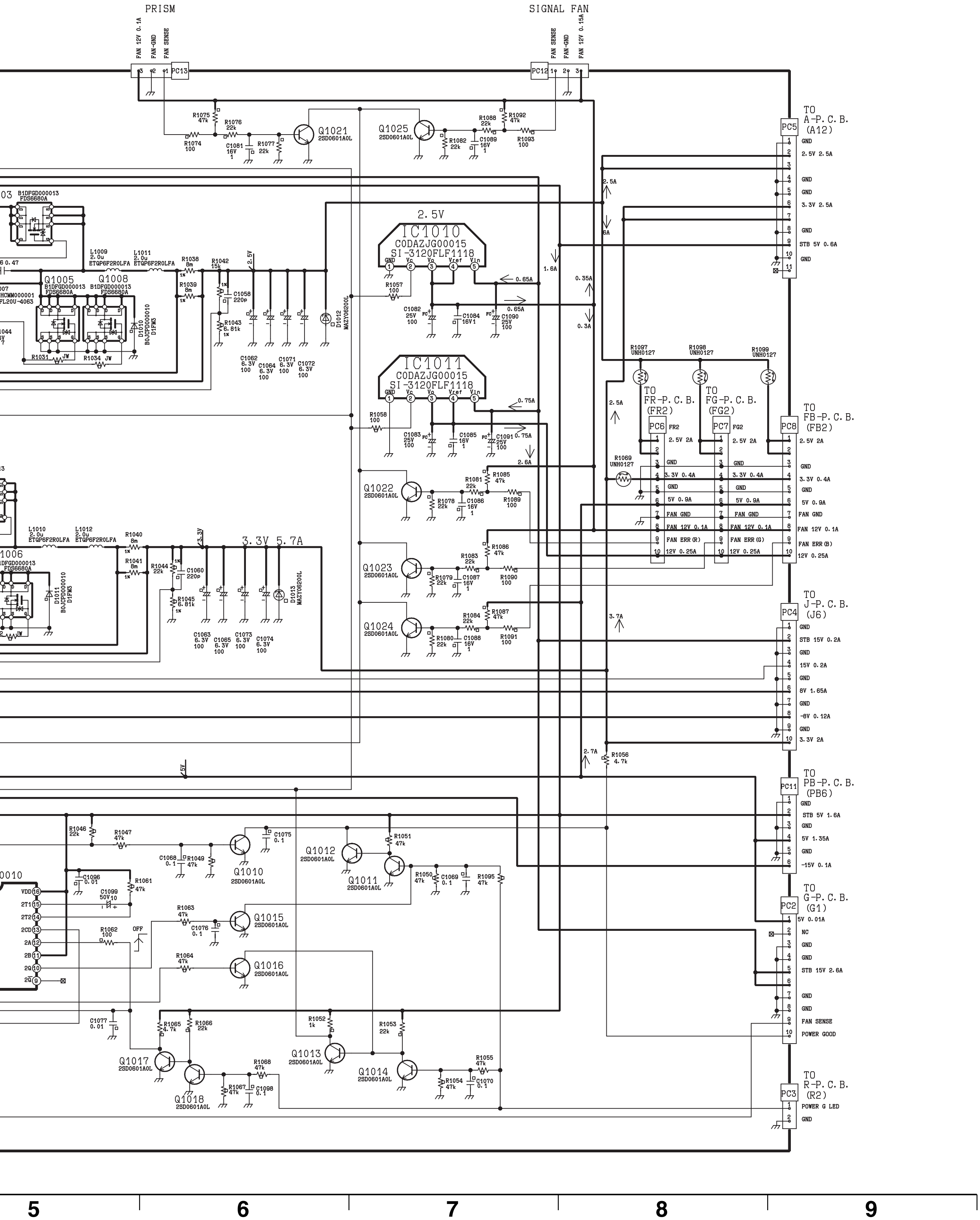

AVR 12V
IC0410
AN78L12M-E1
IN
OUT
COMMON
C0454 0.1 50V
C0455 25V 47
RELAY 12V 30mA
TO PA-P.C.B. (PA2)
PB2
RELAY
RELAY GND
PFC ON/OFF
STB & FAN 15V 5A
C0442 50V 0.1
D0420 B0HALP000002 DINL40
D0421 B0HALP000002 DINL40
D0422 B0HALP000002 DINL40
D0423 B0HALP000002 DINL40
+15V_B
15V 4.8A
15V 4.6A
C0443 50V 0.1
Q0404 B1DGEM000002 2SJ307
15V 0.2A
C0450 0.1
R0442 15k
R0443 330
R0448 15k
Q0406 2SD0601A0L
R0440 47k
R0441 47k
C0451 0.1
TPB1 GND
TPB2
STB15V
TO PC-P.C.B. (PC1)
PB3
STB15V 5A
GND
GND
15V 4.6A
GND
GND
15V 0.2A
GND
+15V_A
TPB3
+15V_B
TPB4
AVR 8V
TXAUC03VJM8
TUCJ5351
IC0411
C0DAAHH00013
SI-8050SLF1118
Vin SW GND Vos ON/OFF
12V 1.3A
C0458 25V 100
C0457 50V 0.1
D0424 B0JCPD000010 D1FM3
R0452 3.9k
L0403 100 TALFP15B101K G0A101GA0001
C0459 25V 100
C0461 0.1
C0460 16V 1
8V 1.65A
AVR 5V
IC0408
AN78L05M-E1
C0445 0.1 50V
C0446 10V 47
30mA
5.0V
-15.0V
D0416 MA3X152K0L
RL0402 K6B2CDA00021
-15V 0.22A
-15.0V
TPB5
TPB6
8.0V
TO PC-P.C.B. (PC9)
PB6
8V 1.65A
GND
-15V 0.22A
GND
MAIN(Hi)/STB(Low)
GND
GND
POWER GOOD
Q0403 2SD0601A0L
R0433 47k
C0449 0.1
R0432 47k
Q0402 2SD0601A0L
Q0401 2SD0601A0L
R0429 47k
R0428 47k
C0444 0.1
TPB7
C0462 0.1
6
7
8
9

15.15. PC-P.C.Board

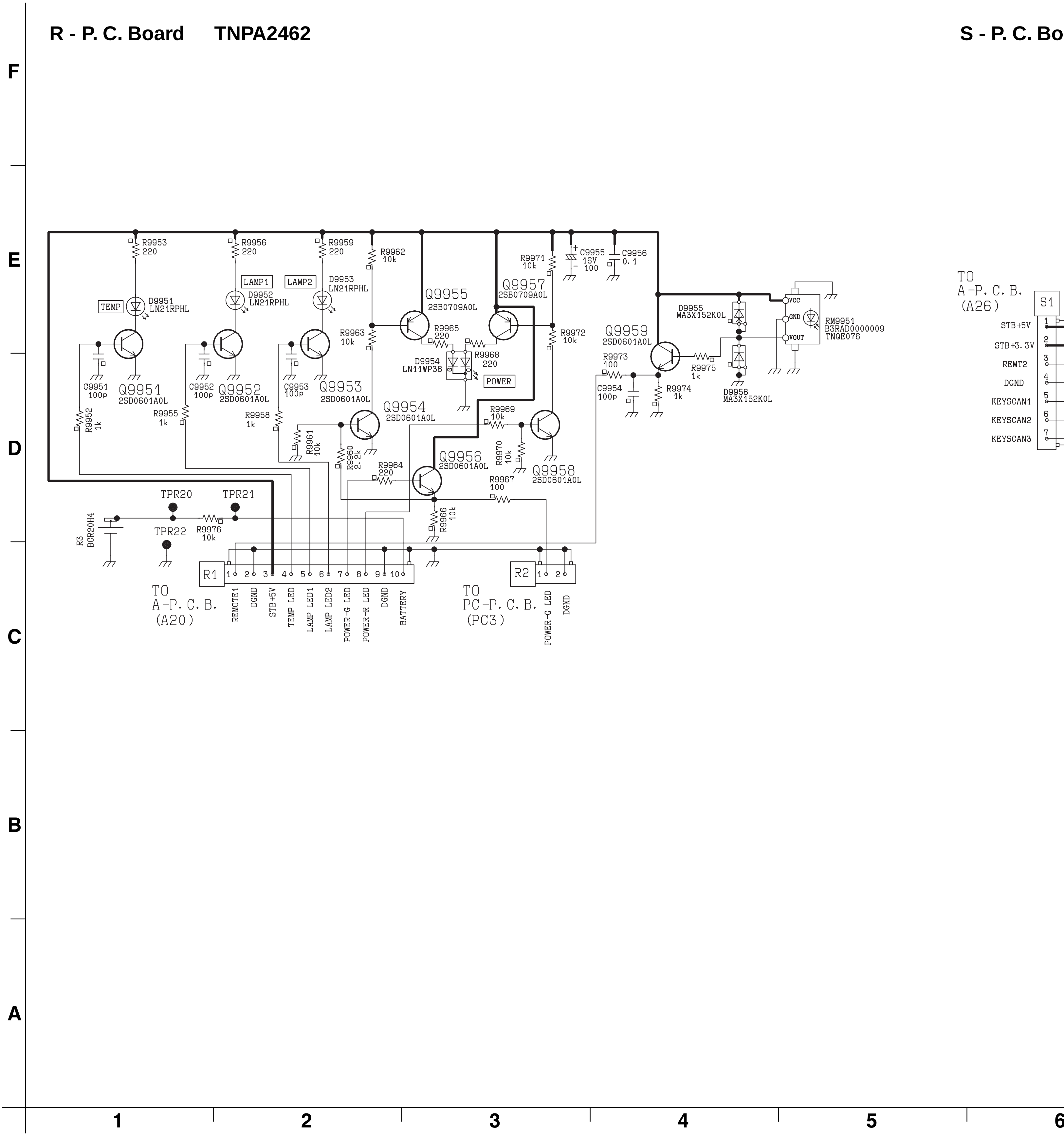
PC - P. C. Board TNPA2468



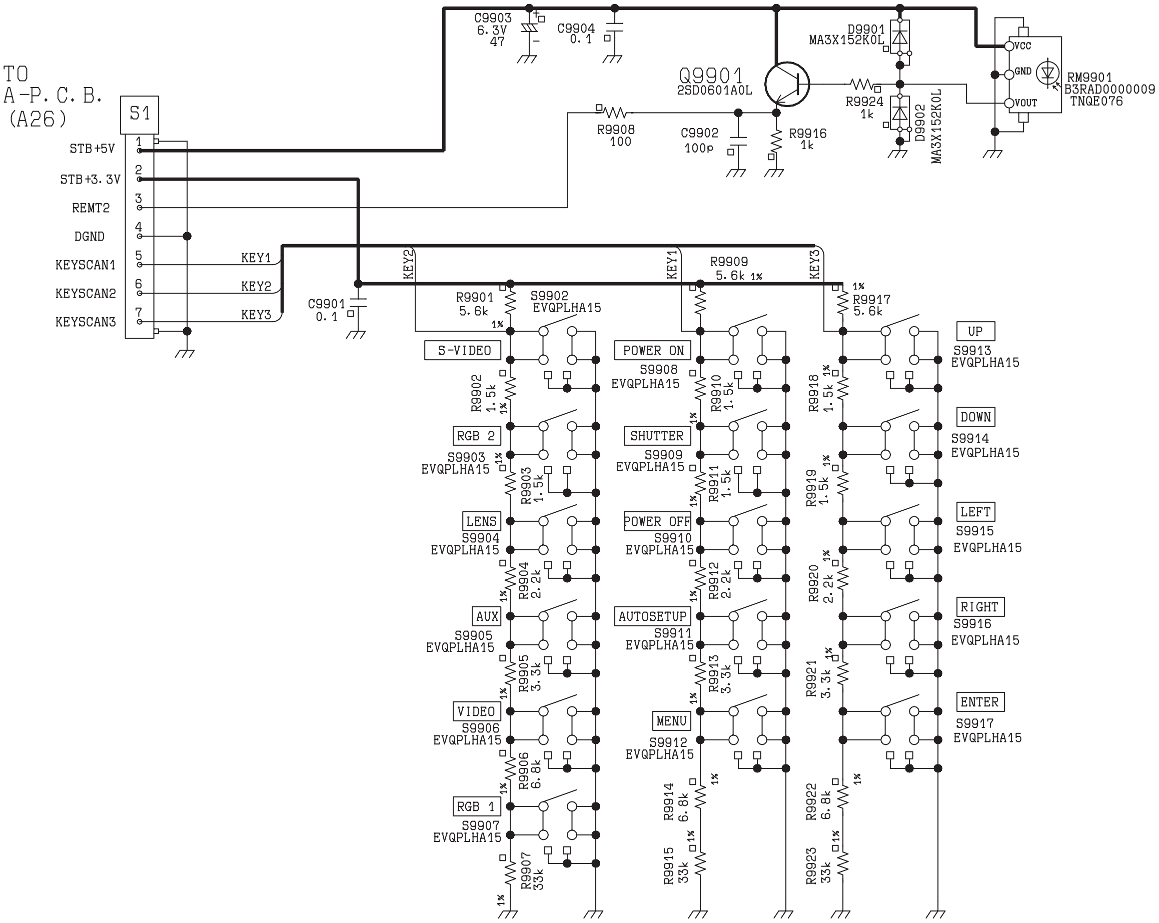
F
E
D
C
B
A
1
2
3
4
5
PRISM
FAN 12V 0.1A
FAN-GND
FAN SENSE
TO PRISM FAN
PC1
STB15V 5A
GND
15V 4.63A
15V 0.2A
TO PB-P.C.B. (PB6)
PC9
8V 1.65A
-15V 0.22A
MAIN(Hi)/STB(Low)
POWER GOOD
IC1002
C0DAAHH00013
SI-8050SLF1118
Vin
SW
GND
Vos ON/OFF
D1001
B0JCPD000010
D1FM3
L1001
100
TALFP15B101K
G0A101GA0001
11/14H
R1001
JW
C1001 25V 2700
C1004 50V 0.1
C1005 25V 1000
C1009 16V 1
L1002
EXCELDR35V
C1010 16V 1
D1002
MAZY06200L
STB15V
STB5V
0.8A
4.2A
2.1A
15V 1.63A
15V 1.4A
L1005
EXCELDR35V
R1009 1M
C1028 25V 0.22
C1031 25V 2700
C1035 25V 2700
R1020 10
C1037 25V 0.22
Q1003
B1DFGD000013
FDS6680A
C1013 68p
IC1003
C0DBAHZ00002
LTC1735CS#TR
R1015 JW
R1016 JW
C1046 0.47
D1007
B0HCMM000001
D1FL20U-4063
Q1005
B1DFGD000013
FDS6680A
Q1008
B1DFGD000013
FDS6680A
L1009 2.0u ETQP6F2R0LFA
L1011 2.0u ETQP6F2R0LFA
D1010
B0JCPD000010
D1FM3
C1015 1000p
C1019 470p
C1021 220p
R1005 33k
D1004
MA3X72000L
C1040 25V 0.22
C1044 16V 4.7
C1023 1000p
R1031 JW
R1034 JW
R1004 22k
R1003 47k
Q1001
2SD0601A0L
Q1002
2SD0601A0L
R1010 47k
R1008 47k
C1025 0.1
D1003
MA3X72000L
15V_B
L1006
EXCELDR35V
R1006 1M
C1029 25V 0.22
C1033 25V 2700
C1036 25V 2700
C1038 25V 0.22
R1021 10
Q1004
B1DFGD000013
FDS6680A
C1014 56p
IC1004
C0DBAHZ00002
LTC1735CS#TR
R1017 JW
R1018 JW
C1047 0.47
Q1006
B1DFGD000013
FDS6680A
D1008
B0HCMM000001
M1FL20U-4063
L1010 2.0u ETQP6F2R0LFA
L1012 2.0u ETQP6F2R0LFA
R1040 8m
R1041 8m
R1044 22k
D1011
B0JCPD000010
D1FM3
C1016 1000p
C1020 470p
C1022 220p
R1007 33k
C1041 25V 0.22
C1045 16V 4.7
C1024 1000p
R1032 JW
L1003
EXCELDR35V
C1027 25V 100
C1094 25V 1000
IC1001
C0CABGG00004
NJM7908FA
OUT
IN
GND
-15V
-8V
0.12A
0.1A
C1002 25V 47
C1003 0.1
C1006 25V 47
C1007 0.1
15V 1.6A
15V_C
L1004
EXCELDR35V
C1018 25V 0.22
C1026 25V 2700
C1034 0.1
C1051 50V 1000p
R1025 1M
R1028 100k
IC1005
C0DBAZH00006
MD1222N
Vin
VDD
NC
VGH
VB
GND
3.3V/5V
Vref
ampOUT
amp-
P.GND
Vout
VGL
Vboot
Vcc
OR/C
F/B
OCL+
OCL-
S/S
C1032 0.01
C1039 2200p
C1048 0.01
C1043 0.1
C1052 0.047
R1011 33
R1019 10
L1007 15u G1C150M00010
D1006
B0HCMM000001
D1FL20U-4063
D1005
B0JCPD000010
D1FM3
R1012 1.2k
R1013 0.1
R1014 0.1
R1094 0.1
R1022 1.5k
R1026 2.37k
R1027 2.2k
C1042 33
C1092 33
C1093 33
C1053 0.1
D1009
MAZY06200L
MA1Z062
R1029 10k
R1033 15k
R1036 47k
C1054 0.1
Q1007
2SD0601A0L
R1037 47k
C1057 0.1
IC1012
C0JBAM000010
MC14538BFEL
1T1
1T2
1CD
1A
1B
1Q
VSS
VDD
2T1
2T2
2CD
2A
2B
2Q
R1096 47k
D1014
MA3X152E0L
R1059 47k
C1095 50V 10
C1097 1
R1060 100
ON
R1046 22k
R1047 47k
C1096 0.01
C1099 50V 10
R1061 47k
R1062 100
OFF
C1077 0.01
Q1017
2SD0601A0L


PRISM
SIGNAL FAN
FAN 12V 0.1A
FAN-GND
FAN SENSE
PC13
PC12
FAN 12V 0.15A
Q1021
2SD0601A0L
Q1025
2SD0601A0L
R1075 47k
R1076 22k
R1074 100
C1081 16V 1
R1077 22k
R1088 22k
R1092 47k
R1082 22k
C1089 16V 1
R1093 100
TO A-P.C.B. (A12)
PC5
GND
2.5V 2.5A
3.3V 2.5A
STB 5V 0.6A
2.5V
IC1010
C0DAZJG00015
SI-3120FLF1118
GND
Vc
Vo
Vref
Vin
IC1011
C0DAZJG00015
SI-3120FLF1118
R1057 100
R1058 100
C1082 25V 100
C1084 16V 1
C1090 25V 100
C1083 25V 100
C1085 16V 1
C1091 25V 100
0.65A
0.75A
1.6A
0.35A
0.3A
2.5A
2.6A
3.7A
2.7A
Q1005
Q1008
B1DFGD000013
FDS6680A
L1009 2.0u ETQP6F2R0LFA
L1011 2.0u ETQP6F2R0LFA
R1038 8m
R1039 8m
R1042 15k
R1043 6.81k
C1058 220p
D1010 B0JCPD000010 D1FM3
D1012 MAZY06200L
R1031
R1034
C1062 6.3V 100
C1064 6.3V 100
C1071 6.3V 100
C1072 6.3V 100
R1097 UNH0127
R1098 UNH0127
R1099 UNH0127
R1069 UNH0127
TO FR-P.C.B. (FR2)
TO FG-P.C.B. (FG2)
TO FB-P.C.B. (FB2)
PC6
PC7
PC8
2.5V 2A
GND
3.3V 0.4A
5V 0.9A
FAN GND
FAN 12V 0.1A
FAN ERR (R)
FAN ERR (G)
FAN ERR (B)
12V 0.25A
Q1022
Q1023
Q1024
2SD0601A0L
R1081 22k
R1085 47k
R1078 22k
C1086 16V 1
R1089 100
R1083 22k
R1086 47k
R1079 22k
C1087 16V 1
R1090 100
R1084 22k
R1087 47k
R1080 22k
C1088 16V 1
R1091 100
L1010 2.0u ETQP6F2R0LFA
L1012 2.0u ETQP6F2R0LFA
R1040 8m
R1041 8m
R1044 22k
R1045 6.81k
C1060 220p
3.3V 5.7A
D1011 B0JCPD000010 D1FM3
D1013 MAZY06200L
Q1006
C1063 6.3V 100
C1065 6.3V 100
C1073 6.3V 100
C1074 6.3V 100
TO J-P.C.B. (J6)
PC4
STB 15V 0.2A
15V 0.2A
8V 1.65A
-8V 0.12A
3.3V 2A
R1056 4.7k
TO PB-P.C.B. (PB6)
PC11
STB 5V 1.6A
5V 1.35A
-15V 0.1A
TO G-P.C.B. (G1)
PC2
5V 0.01A
NC
STB 15V 2.6A
FAN SENSE
POWER GOOD
TO R-P.C.B. (R2)
PC3
POWER G LED
5V
R1046 22k
R1047 47k
C1068 0.1
R1049 47k
Q1010
2SD0601A0L
C1075 0.1
Q1012
2SD0601A0L
R1051 47k
Q1011
2SD0601A0L
R1050 47k
C1069 0.1
R1095 47k
0010
VDD
2T1
2T2
2CD
2A
2B
2Q
C1096 0.01
C1099 50V10
R1061 47k
R1063 47k
C1076 0.1
Q1015
2SD0601A0L
R1062 100
OFF
R1064 47k
Q1016
2SD0601A0L
C1077 0.01
R1065 4.7k
R1066 22k
Q1017
2SD0601A0L
Q1018
2SD0601A0L
R1068 47k
R1067 47k
C1098 0.1
R1052 1k
Q1013
2SD0601A0L
R1053 22k
Q1014
2SD0601A0L
R1055 47k
R1054 47k
C1070 0.1
5
6
7
8
9

15.16. R-P.C.Board /S-P.C.Board

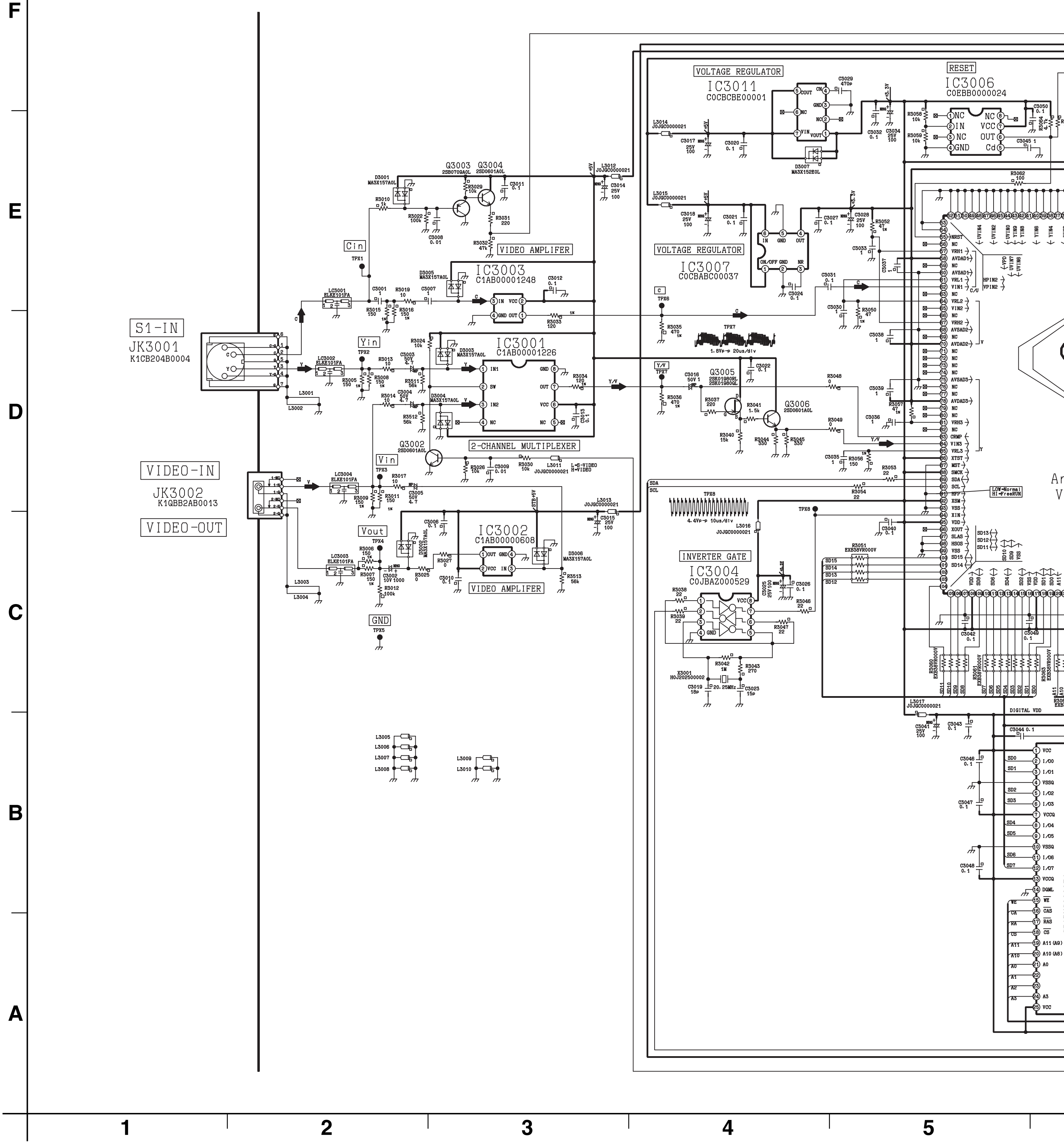

R - P. C. Board TNPA2462
S - P. C. Bo
F
E
D
C
B
A
1
2
3
4
5
6
R9953 220
R9956 220
R9959 220
R9962 10k
R9971 10k
C9955 16V 100
C9956 0.1
TEMP
D9951 LN21RPHL
LAMP1
D9952 LN21RPHL
LAMP2
D9953 LN21RPHL
Q9955 2SB0709A0L
Q9957 2SB0709A0L
R9963 10k
R9965 220
R9968 220
R9972 10k
D9954 LN11WP38
POWER
Q9959 2SD0601A0L
R9973 100
R9975 1k
R9974 1k
C9954 100p
D9955 MA3X152K0L
D9956 MA3X152K0L
VCC
GND
VOUT
RM9951 B3RAD0000009 TNQE076
C9951 100p
Q9951 2SD0601A0L
C9952 100p
Q9952 2SD0601A0L
C9953 100p
Q9953 2SD0601A0L
Q9954 2SD0601A0L
R9952 1k
R9955 1k
R9958 1k
R9961 10k
R9960 2.2k
R9969 10k
R9970 10k
Q9958 2SD0601A0L
Q9956 2SD0601A0L
R9964 220
R9967 100
R9966 10k
TPR20
TPR21
TPR22
R9976 10k
R3 BCR20H4
R1
1 2 3 4 5 6 7 8 9 10
TO A-P.C.B. (A20)
REMOTE1
DGND
STB+5V
TEMP LED
LAMP LED1
LAMP LED2
POWER-G LED
POWER-R LED
DGND
BATTERY
R2
1 2
TO PC-P.C.B. (PC3)
POWER-G LED
DGND
TO A-P.C.B. (A26)
S1
STB+5V 1
STB+3.3V 2
REMT2 3
DGND 4
KEYSCAN1 5
KEYSCAN2 6
KEYSCAN3 7

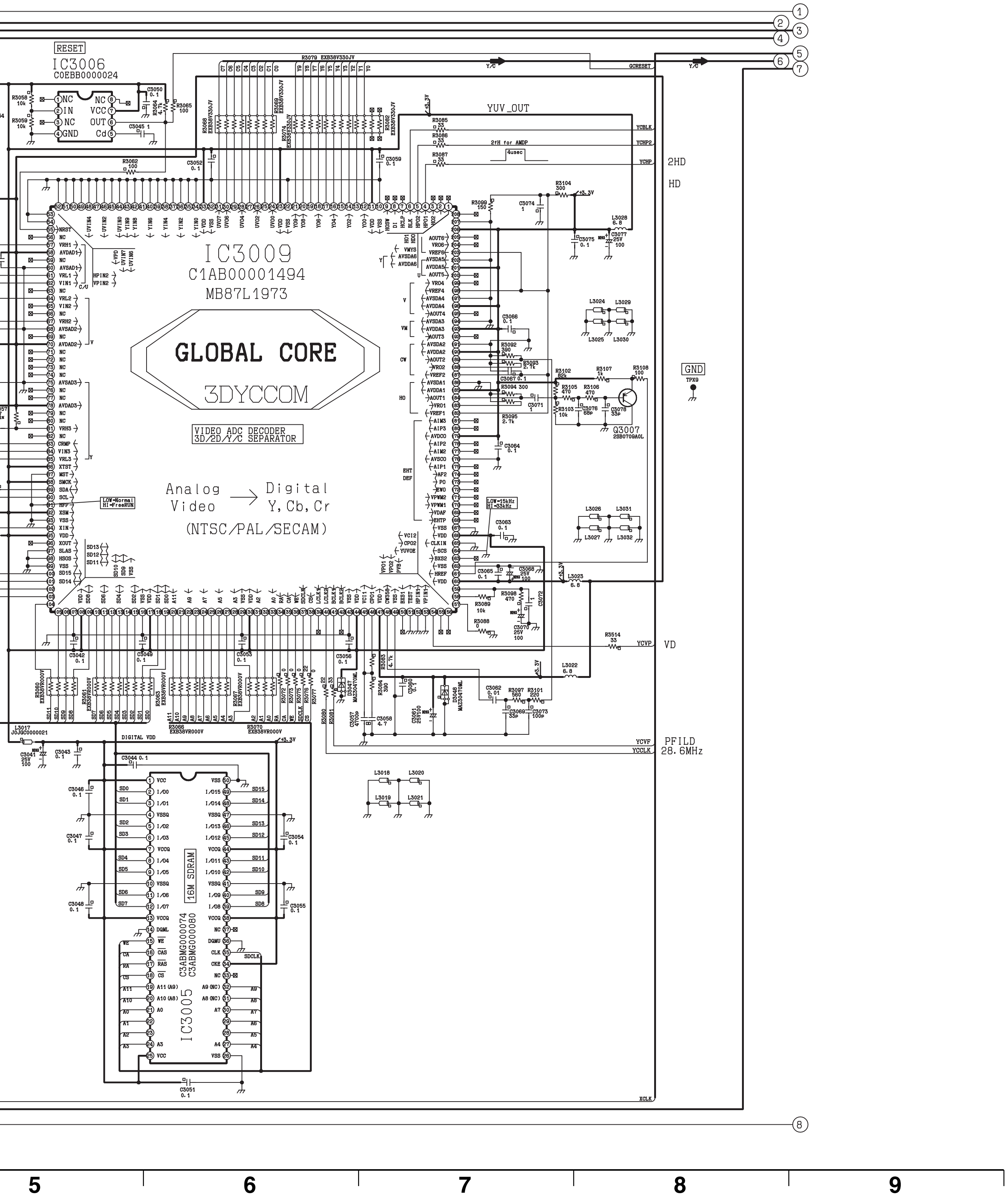
S - P. C. Board TNPA2463


TO
A-P.C.B.
(A26)
S1
STB+5V
STB+3.3V
REMT2
DGND
KEYSCAN1
KEYSCAN2
KEYSCAN3
1
2
3
4
5
6
7
KEY1
KEY2
KEY3
C9901
0.1
C9903
6.3V
47
C9904
0.1
Q9901
2SD0601A0L
R9908
100
C9902
100p
R9916
1k
R9924
1k
D9901
MA3X152K0L
D9902
MA3X152K0L
VCC
GND
VOUT
RM9901
B3RAD0000009
TNQE076
KEY2
KEY1
KEY3
R9909
5.6k 1%
R9901
5.6k
1%
S9902
EVQPLHA15
S-VIDEO
R9902
1.5k
1%
RGB 2
S9903
EVQPLHA15
R9903
1.5k
1%
LENS
S9904
EVQPLHA15
R9904
2.2k
1%
AUX
S9905
EVQPLHA15
R9905
3.3k
1%
VIDEO
S9906
EVQPLHA15
R9906
6.8k
1%
RGB 1
S9907
EVQPLHA15
R9907
33k
1%
POWER ON
S9908
EVQPLHA15
R9910
1.5k
1%
SHUTTER
S9909
EVQPLHA15
R9911
1.5k
1%
POWER OFF
S9910
EVQPLHA15
R9912
2.2k
1%
AUTOSETUP
S9911
EVQPLHA15
R9913
3.3k
1%
MENU
S9912
EVQPLHA15
R9914
6.8k
1%
R9915
33k
1%
1%
R9917
5.6k
UP
S9913
EVQPLHA15
R9918
1.5k
1%
DOWN
S9914
EVQPLHA15
R9919
1.5k
1%
LEFT
S9915
EVQPLHA15
R9920
2.2k
1%
RIGHT
S9916
EVQPLHA15
R9921
3.3k
1%
ENTER
S9917
EVQPLHA15
R9922
6.8k
1%
R9923
33k
1%

15.17. X-P.C.Board (1/3)

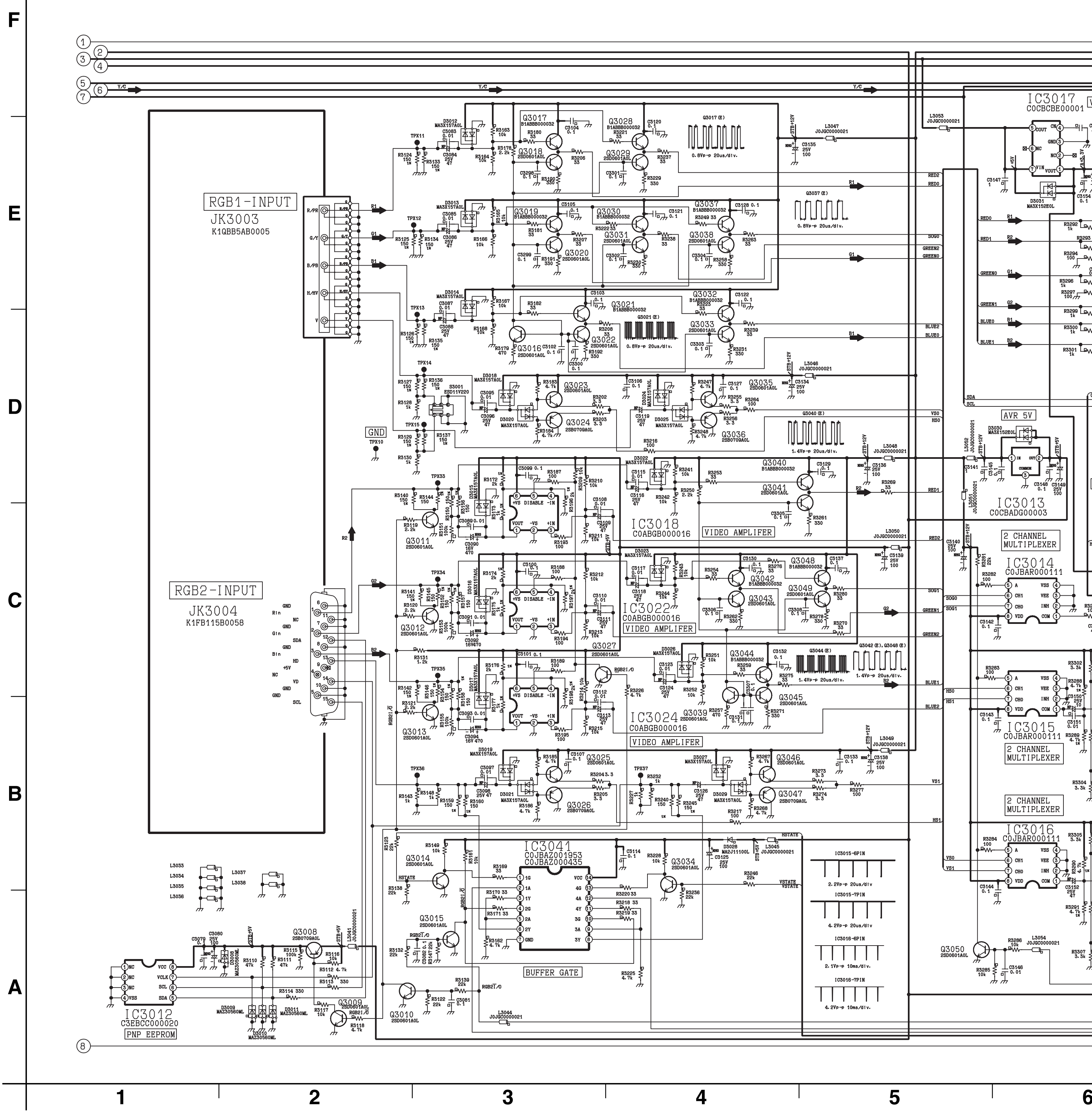
X - P. C. Board   TXN/X2VJM8 (1/3)


F
E
D
C
B
A
1
2
3
4
5
S1-IN
JK3001
K1CB204B0004
VIDEO-IN
JK3002
K1QBB2AB0013
VIDEO-OUT
Cin
TPX1
Yin
TPX2
Vin
TPX3
Vout
TPX4
GND
TPX5
LC3001
ELKE101FA
LC3002
ELKE101FA
LC3003
ELKE101FA
LC3004
ELKE101FA
L3001
L3002
L3003
L3004
L3005
L3006
L3007
L3008
L3009
L3010
Q3003
2SB0709A0L
Q3004
2SD0601A0L
D3001
MA3X157A0L
VIDEO AMPLIFER
IC3003
C1AB00001248
IN
VCC
GND
OUT
D3005
MA3X157A0L
IC3001
C1AB00001226
IN1
SW
IN2
NC
GND
OUT
VCC
D3003
MA3X157A0L
D3004
MA3X157A0L
2-CHANNEL MULTIPLEXER
Q3002
2SD0601A0L
L3011
J0JGC0000021
L=S-VIDEO
H=VIDEO
IC3002
C1AB00000608
D3002
MA3X157A0L
D3006
MA3X157A0L
VIDEO AMPLIFER
L3012
J0JGC0000021
L3013
J0JGC0000021
STB+5V
+5V
C
TPX6
Y/V
TPX7
1.8Vp-p 20us/div
Q3005
2SK0198ORL
2SK0198OQL
Q3006
2SD0601A0L
VOLTAGE REGULATOR
IC3011
C0CBCBE00001
CIN
COUT
GND
NC
VIN
VOUT
D3007
MA3X152E0L
L3014
J0JGC0000021
L3015
J0JGC0000021
VOLTAGE REGULATOR
IC3007
C0CBABC00037
IN
GND
OUT
ON/OFF
NR
+3.3V
RESET
IC3006
C0EBB0000024
NC
IN
NC
GND
VCC
OUT
Cd
SDA
SCL
TPX8
4.4Vp-p 10us/div
L3016
J0JGC0000021
INVERTER GATE
IC3004
C0JBAZ000529
X3001
H0J202500002
20.25MHz
L3017
J0JGC0000021
DIGITAL VDD
NRST
VRH1
AVDAD1
AVSAD1
VRL1
VIN1
VRL2
VIN2
VRH2
AVDAD2
AVSAD3
AVDAD3
VRH3
CRMP
VIN3
VRL3
XTST
MST
SMCK
SCL
HFF
XSM
VSS
XIN
VDD
XOUT
SLAS
HSOS
LOW=Normal
HI=FreeRUN
VCC
I/O0
I/O1
VSSQ
I/O2
I/O3
VCCQ
I/O4
I/O5
VSSQ
I/O6
I/O7
VCCQ
DQML
WE
CAS
RAS
CS
A11 (A9)
A10 (A8)
A0
A3
VCC
SD0
SD1
SD2
SD3
SD4
SD5
SD6
SD7
SD11
SD12
SD13
SD14
SD15
R3051
EXB38V000V
R3060
R3061
R3063
EXB38V000V

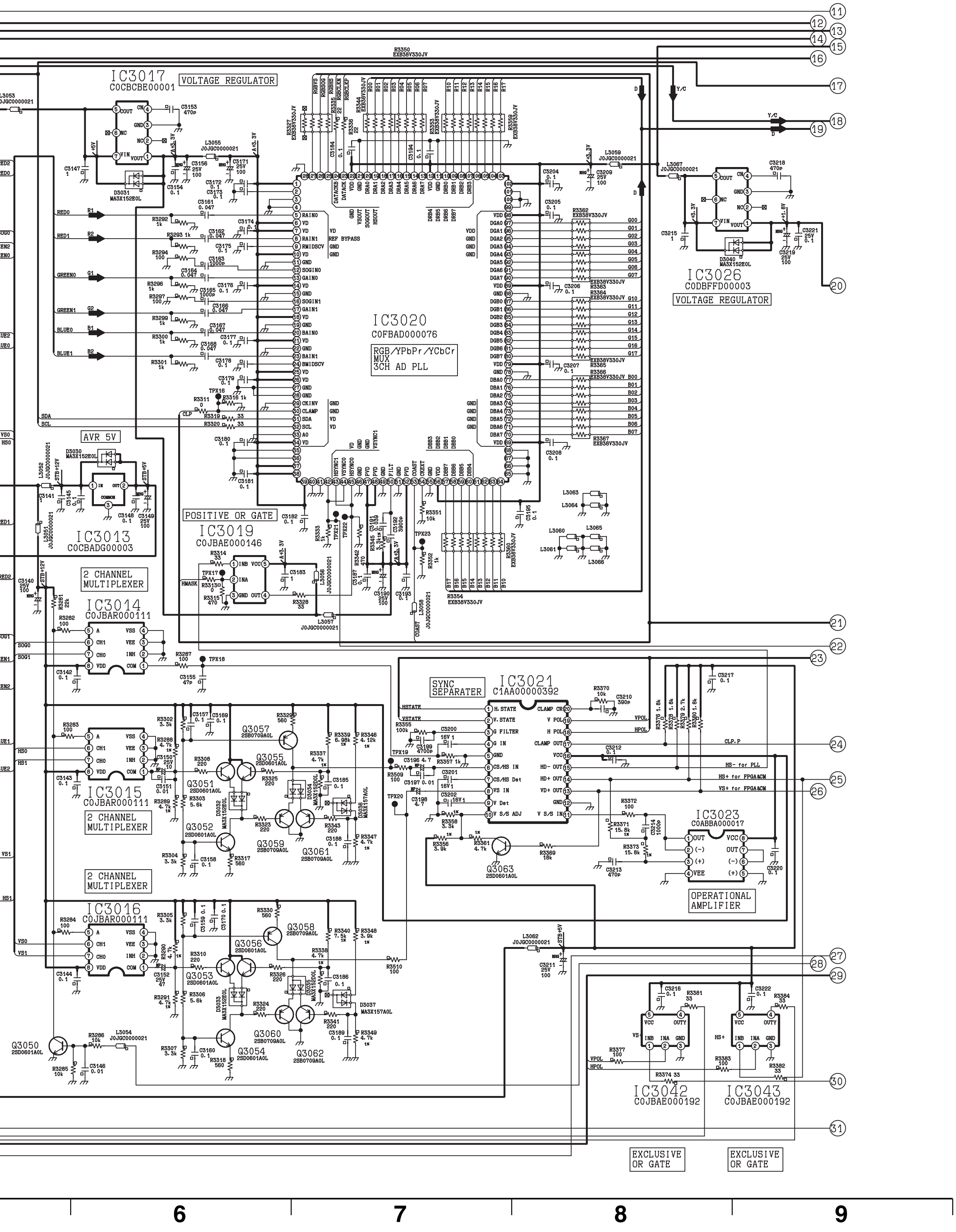

RESET
IC3006
C0EBB0000024
NC
IN
NC
GND
NC
VCC
OUT
Cd
IC3009
C1AB00001494
MB87L1973
GLOBAL CORE
3DYCCOM
VIDEO ADC DECODER
3D/2D/Y/C SEPARATOR
Analog Video → Digital Y, Cb, Cr
(NTSC/PAL/SECAM)
YUV_OUT
2fH for AMDP
4usec
YCBLK
YCHP2
YCHP
2HD
HD
GND
TPX9
Q3007
2SB0709A0L
LOW=Normal HI=FreeRUN
LOW=15kHz HI=33kHz
YCVP
VD
YCVF
YCCLK
PFILD
28.6MHz
DIGITAL VDD
16M SDRAM
IC3005
C3ABMG000074
C3ABMG000080
SDCLK
XCLK
GCRESET
Y/C
+3.3V
①
②
③
④
⑤
⑥
⑦
⑧
5
6
7
8
9

15.18. X-P.C.Board (2/3)

X - P. C. Board TXN/X2VJM8 (2/3)

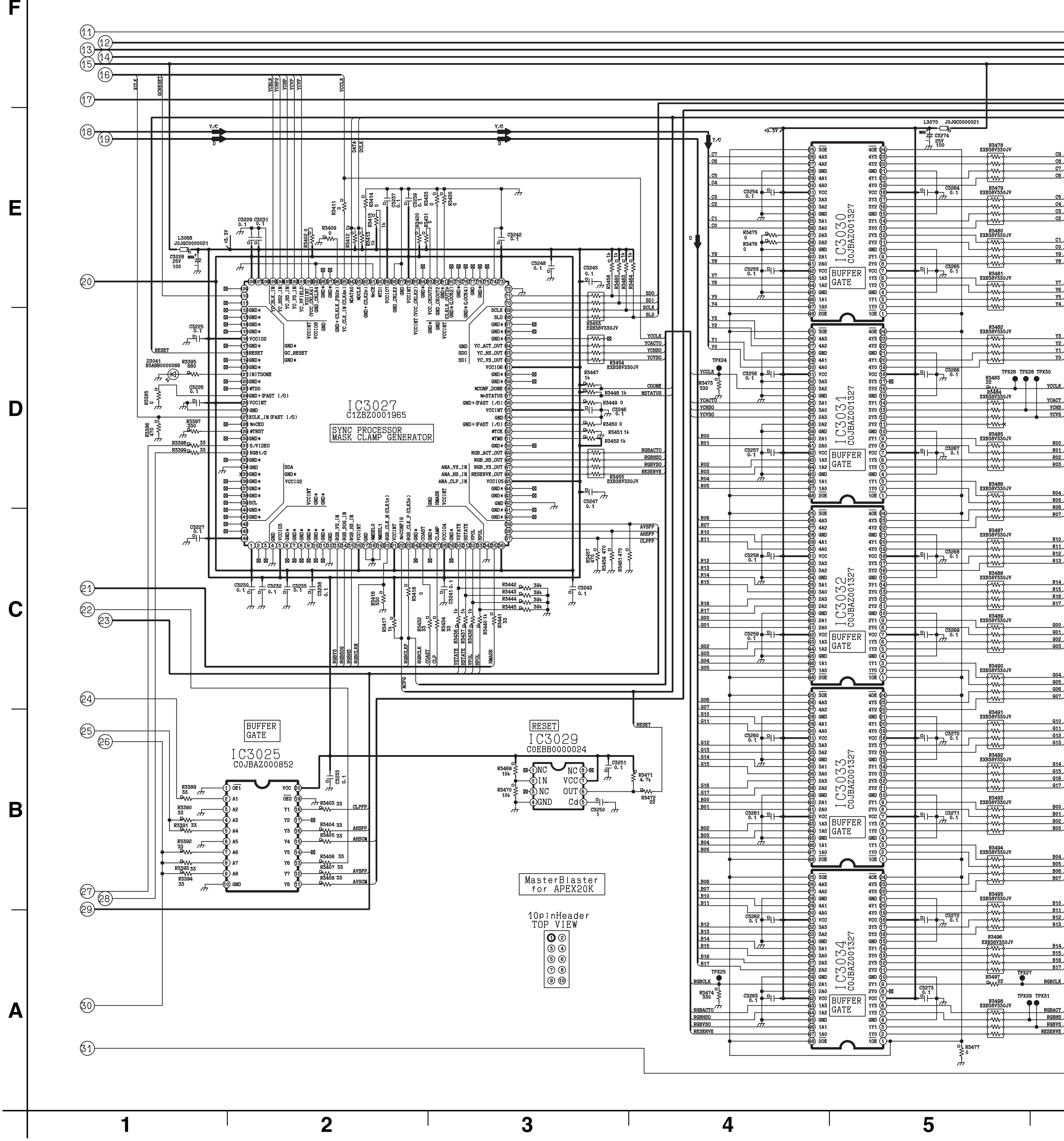


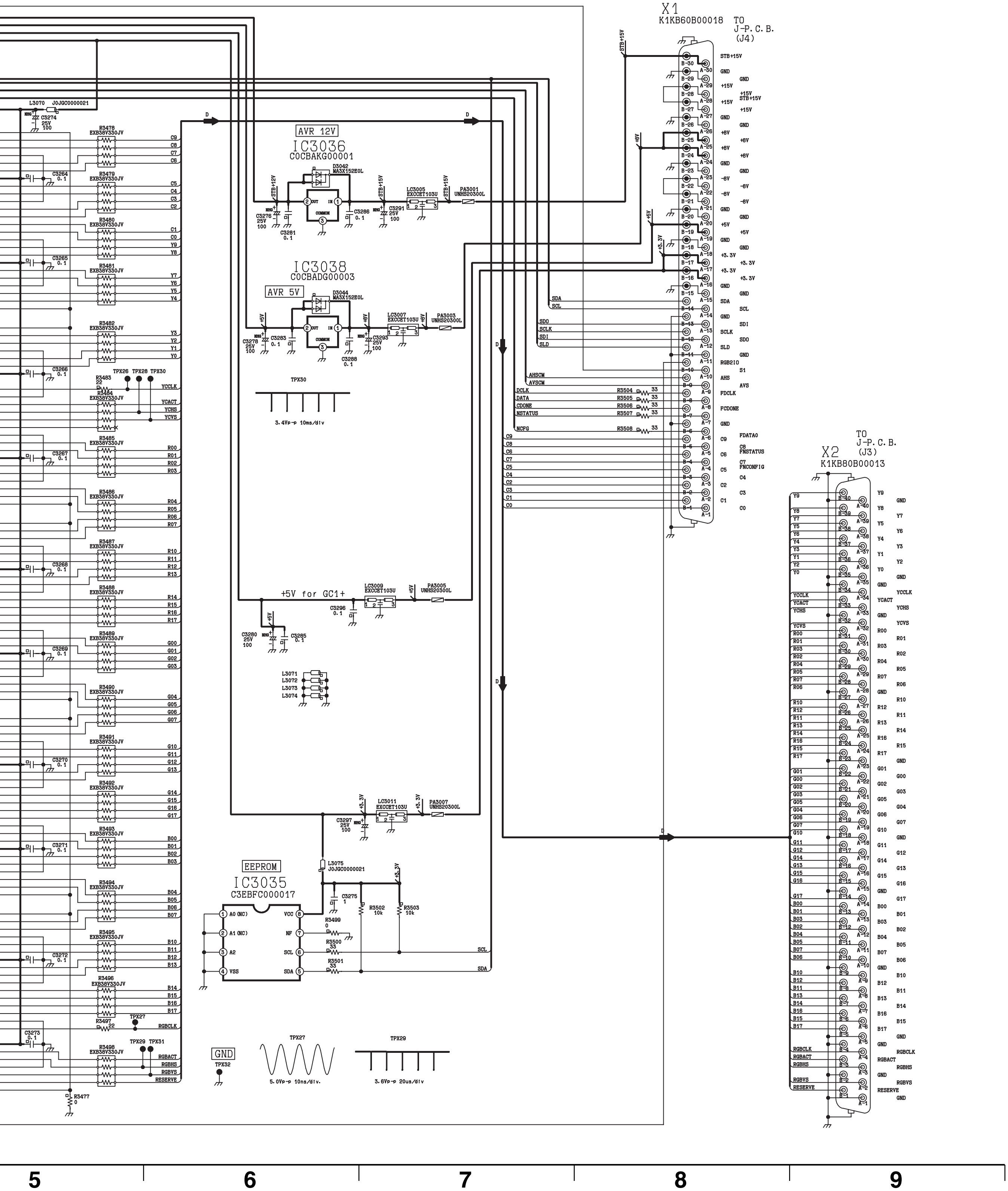
F
E
D
C
B
A
1
2
3
4
5
6
RGB1-INPUT
JK3003
K1QBB5AB0005
RGB2-INPUT
JK3004
K1FB115B0058
GND
IC3017
C0CBCBE00001
IC3013
C0CBADG00003
AVR 5V
IC3018
C0ABGB000016
VIDEO AMPLIFIER
IC3022
C0ABGB000016
VIDEO AMPLIFIER
IC3024
C0ABGB000016
VIDEO AMPLIFIER
IC3014
C0JBAR000111
2 CHANNEL MULTIPLEXER
IC3015
C0JBAR000111
2 CHANNEL MULTIPLEXER
IC3016
C0JBAR000111
2 CHANNEL MULTIPLEXER
IC3041
C0JBAZ001953
C0JBAZ000435
BUFFER GATE
IC3012
C3EBCC000020
PNP EEPROM
Q3017 (E)
0.8Vp-p 20us/div.
Q3037 (E)
0.8Vp-p 20us/div.
Q3021 (E)
0.8Vp-p 20us/div.
Q3040 (E)
1.4Vp-p 20us/div.
Q3044 (E)
1.4Vp-p 20us/div.
Q3042 (E), Q3048 (E)
1.4Vp-p 20us/div.
IC3015-6PIN
2.2Vp-p 20us/div
IC3015-7PIN
4.2Vp-p 20us/div
IC3016-6PIN
2.1Vp-p 10ms/div.
IC3016-7PIN
4.2Vp-p 10ms/div.
Y/C
R1
G1
B1
R2
G2
B2
RED0
RED1
RED2
GREEN0
GREEN1
GREEN2
BLUE0
BLUE1
BLUE2
SOG0
SOG1
SDA
SCL
VS0
VS1
HS0
HS1
HSTATE
VSTATE
RGB2I/O
RGB1I/O


IC3017
C0CBCBE00001
VOLTAGE REGULATOR
IC3020
C0FBAD000076
RGB/YPbPr/YCbCr
MUX
3CH AD PLL
IC3026
C0DBFFD00003
VOLTAGE REGULATOR
AVR 5V
IC3013
C0CBADG00003
POSITIVE OR GATE
IC3019
C0JBAE000146
2 CHANNEL
MULTIPLEXER
IC3014
C0JBAR000111
IC3015
C0JBAR000111
IC3016
C0JBAR000111
SYNC
SEPARATER
IC3021
C1AA00000392
IC3023
C0ABBA000017
OPERATIONAL
AMPLIFIER
IC3042
C0JBAE000192
IC3043
C0JBAE000192
EXCLUSIVE
OR GATE
Q3050
Q3051
Q3052
Q3053
Q3054
Q3055
Q3056
Q3057
Q3058
Q3059
Q3060
Q3061
Q3062
Q3063
HS- for PLL
HS+ for FPGAACM
VS+ for FPGAACM
CLP.P
Y/C
⑪
⑫
⑬
⑭
⑮
⑯
⑰
⑱
⑲
⑳
㉑
㉒
㉓
㉔
㉕
㉖
㉗
㉘
㉙
㉚
㉛
6
7
8
9

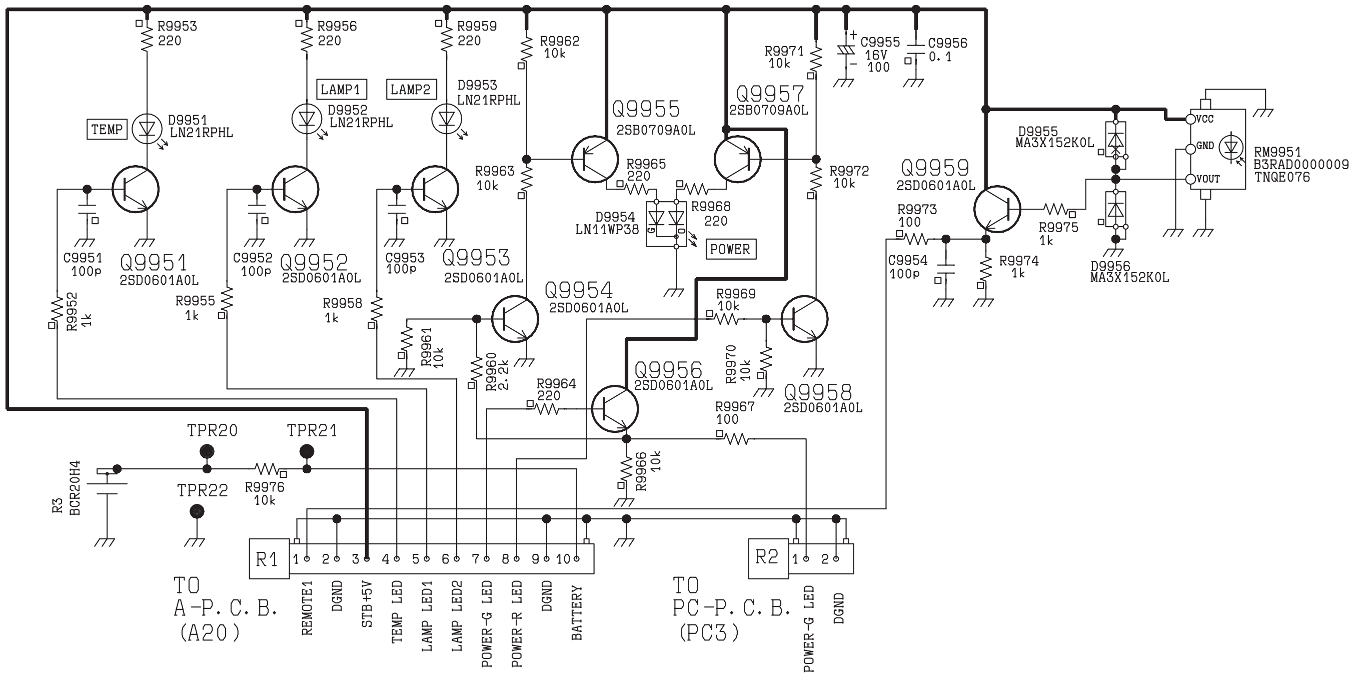
15.19. X-P.C.Board (3/3)

X - P. C. Board TXN/X2VJM8 (3/3)

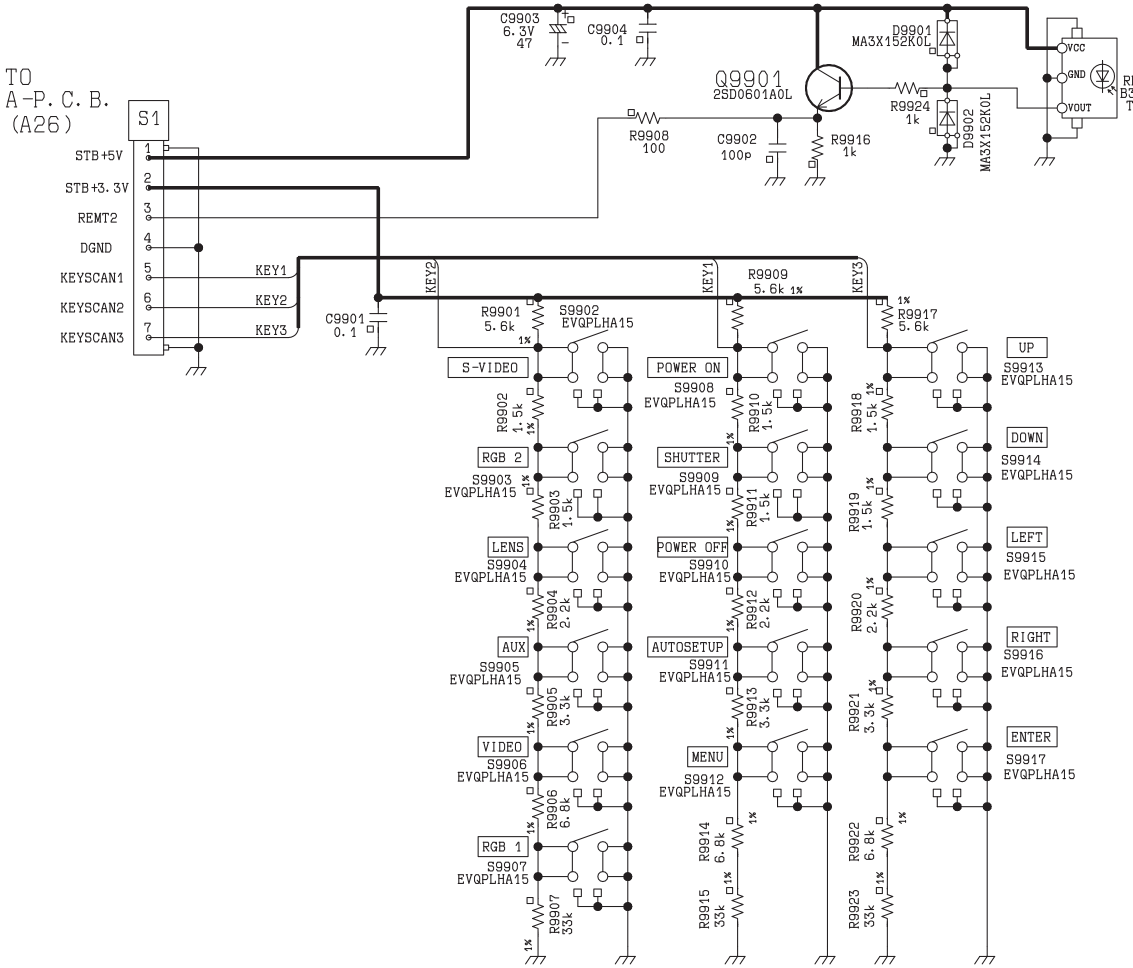

F
E
D
C
B
A
1
2
3
4
5
IC3027
C1ZBZ0001965
SYNC PROCESSOR
MASK CLAMP GENERATOR
BUFFER
GATE
IC3025
C0JBAZ000852
RESET
IC3029
C0EBB0000024
IC3030
C0JBAZ001327
IC3031
C0JBAZ001327
IC3032
C0JBAZ001327
IC3033
C0JBAZ001327
IC3034
C0JBAZ001327
MasterBlaster
for APEX20K
10pinHeader
TOP VIEW
L3068
J0JGC0000021
L3070
J0JGC0000021
D3041
B3ABB0000088
Y/C
D
RESET
TPX24
TPX25
TPX26
TPX27
TPX28
TPX29
TPX30
TPX31


X1
K1KB60B00018
TO
J-P.C.B.
(J4)
X2
K1KB80B00013
TO
J-P.C.B.
(J3)
AVR 12V
IC3036
C0CBAKG00001
D3042
MA3X152E0L
LC3005
EXCCET103U
PA3001
UNHS20300L
IC3038
C0CBADG00003
AVR 5V
D3044
MA3X152E0L
LC3007
EXCCET103U
PA3003
UNHS20300L
+5V for GC1+
LC3009
EXCCET103U
PA3005
UNHS20300L
LC3011
EXCCET103U
PA3007
UNHS20300L
EEPROM
IC3035
C3EBFC000017
A0 (NC)
A1 (NC)
A2
VSS
VCC
NF
SCL
SDA
L3070
J0JGC0000021
L3075
J0JGC0000021
L3071
L3072
L3073
L3074
R3502
10k
R3503
10k
R3499
0
R3500
33
R3501
33
R3504 33
R3505 33
R3506 33
R3507 33
R3508 33
R3477
0
EXB38V330JV
TPX26 TPX28 TPX30
TPX27
TPX29 TPX31
TPX30
3.4Vp-p 10ms/div
TPX27
5.0Vp-p 10ns/div.
TPX29
3.6Vp-p 20us/div
GND
TPX32
STB+15V
+15V
+6V
-6V
+5V
+3.3V
GND
SDA
SCL
SDO
SCLK
SDI
SLD
RGB2IO
AHS
AVS
AHSCM
AVSCM
DCLK
DATA
CDONE
NSTATUS
NCFG
FDCLK
FCDONE
FDATA0
FNSTATUS
FNCONFIG
C9
C8
C7
C6
C5
C4
C3
C2
C1
C0
YCCLK
YCACT
YCHS
YCVS
RGBCLK
RGBACT
RGBHS
RGBVS
RESERVE
5
6
7
8
9

R - P. C. Board TNPA2462


R9953 220
R9956 220
R9959 220
R9962 10k
R9971 10k
C9955 16V 100
C9956 0.1
TEMP
D9951 LN21RPHL
LAMP1
D9952 LN21RPHL
LAMP2
D9953 LN21RPHL
Q9955 2SB0709A0L
Q9957 2SB0709A0L
R9963 10k
R9965 220
R9968 220
D9954 LN11WP38
POWER
R9972 10k
Q9959 2SD0601A0L
D9955 MA3X152K0L
D9956 MA3X152K0L
VCC
GND
VOUT
RM9951 B3RAD0000009 TNQE076
R9973 100
C9954 100p
R9974 1k
R9975 1k
C9951 100p
Q9951 2SD0601A0L
C9952 100p
Q9952 2SD0601A0L
C9953 100p
Q9953 2SD0601A0L
Q9954 2SD0601A0L
R9969 10k
Q9958 2SD0601A0L
R9952 1k
R9955 1k
R9958 1k
R9961 10k
R9960 2.2k
R9970 10k
R9964 220
Q9956 2SD0601A0L
R9967 100
R9966 10k
TPR20
TPR21
TPR22
R3 BCR20H4
R9976 10k
R1
1 2 3 4 5 6 7 8 9 10
REMOTE1
DGND
STB+5V
TEMP LED
LAMP LED1
LAMP LED2
POWER-G LED
POWER-R LED
DGND
BATTERY
TO A-P.C.B. (A20)
R2
1 2
POWER-G LED
DGND
TO PC-P.C.B. (PC3)

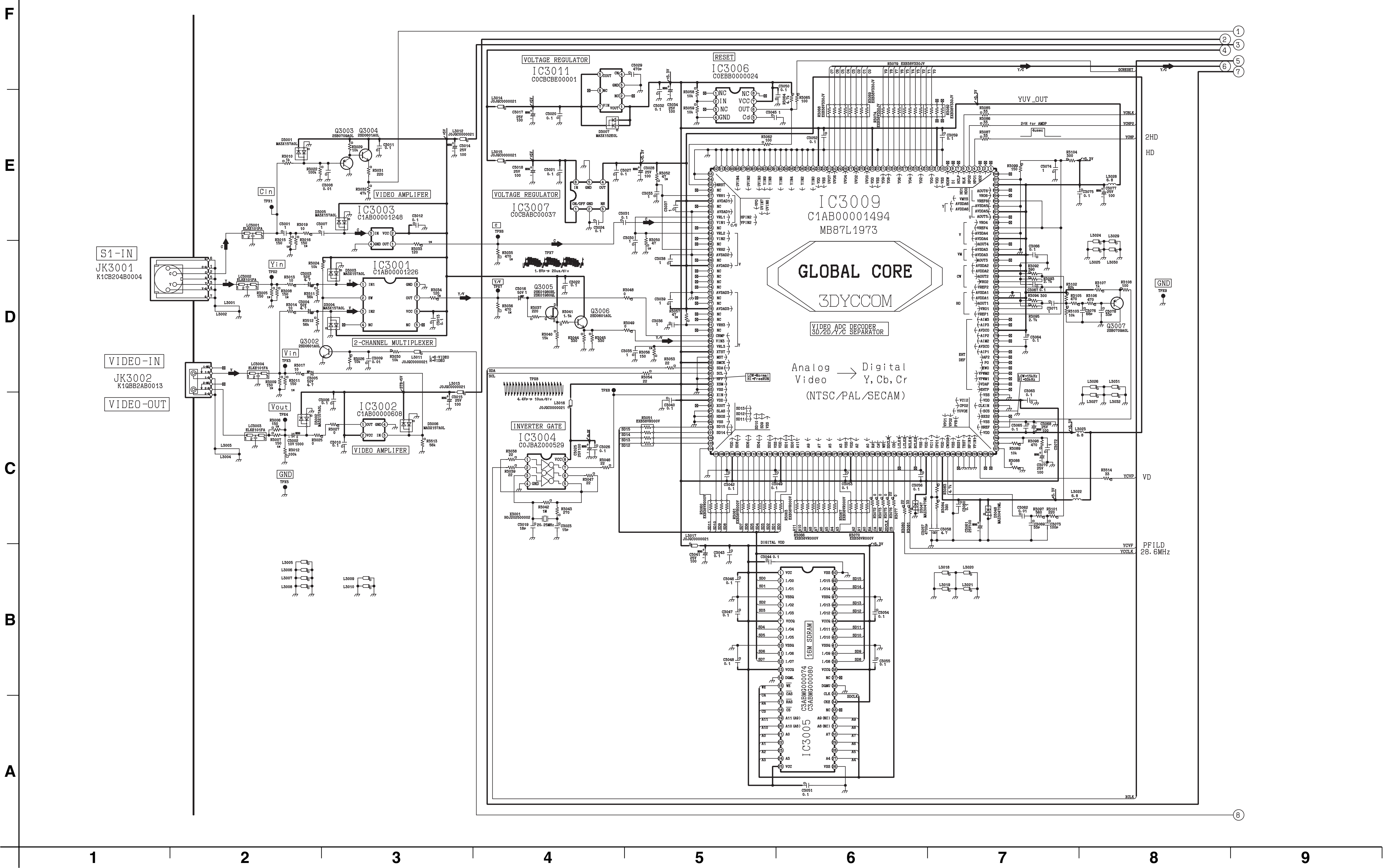
S - P. C. Board TNPA2463


TO A-P.C.B. (A26)
S1
STB+5V 1
STB+3.3V 2
REMT2 3
DGND 4
KEYSCAN1 5
KEYSCAN2 6
KEYSCAN3 7
KEY1
KEY2
KEY3
C9903 6.3V 47
C9904 0.1
Q9901 2SD0601A0L
D9901 MA3X152K0L
D9902 MA3X152K0L
R9924 1k
R9908 100
C9902 100p
R9916 1k
VCC
GND
VOUT
RM9901 B3RAD0000009 TNQE076
C9901 0.1
R9901 5.6k 1%
S9902 EVQPLHA15
R9909 5.6k 1%
R9917 5.6k 1%
S-VIDEO
POWER ON
S9908 EVQPLHA15
UP
S9913 EVQPLHA15
R9902 1.5k 1%
R9910 1.5k 1%
R9918 1.5k 1%
RGB 2
S9903 EVQPLHA15
SHUTTER
S9909 EVQPLHA15
DOWN
S9914 EVQPLHA15
R9903 1.5k 1%
R9911 1.5k 1%
R9919 1.5k 1%
LENS
S9904 EVQPLHA15
POWER OFF
S9910 EVQPLHA15
LEFT
S9915 EVQPLHA15
R9904 2.2k 1%
R9912 2.2k 1%
R9920 2.2k 1%
AUX
S9905 EVQPLHA15
AUTOSETUP
S9911 EVQPLHA15
RIGHT
S9916 EVQPLHA15
R9905 3.3k 1%
R9913 3.3k 1%
R9921 3.3k 1%
VIDEO
S9906 EVQPLHA15
MENU
S9912 EVQPLHA15
ENTER
S9917 EVQPLHA15
R9906 6.8k 1%
R9914 6.8k 1%
R9922 6.8k 1%
RGB 1
S9907 EVQPLHA15
R9907 33k 1%
R9915 33k 1%
R9923 33k 1%

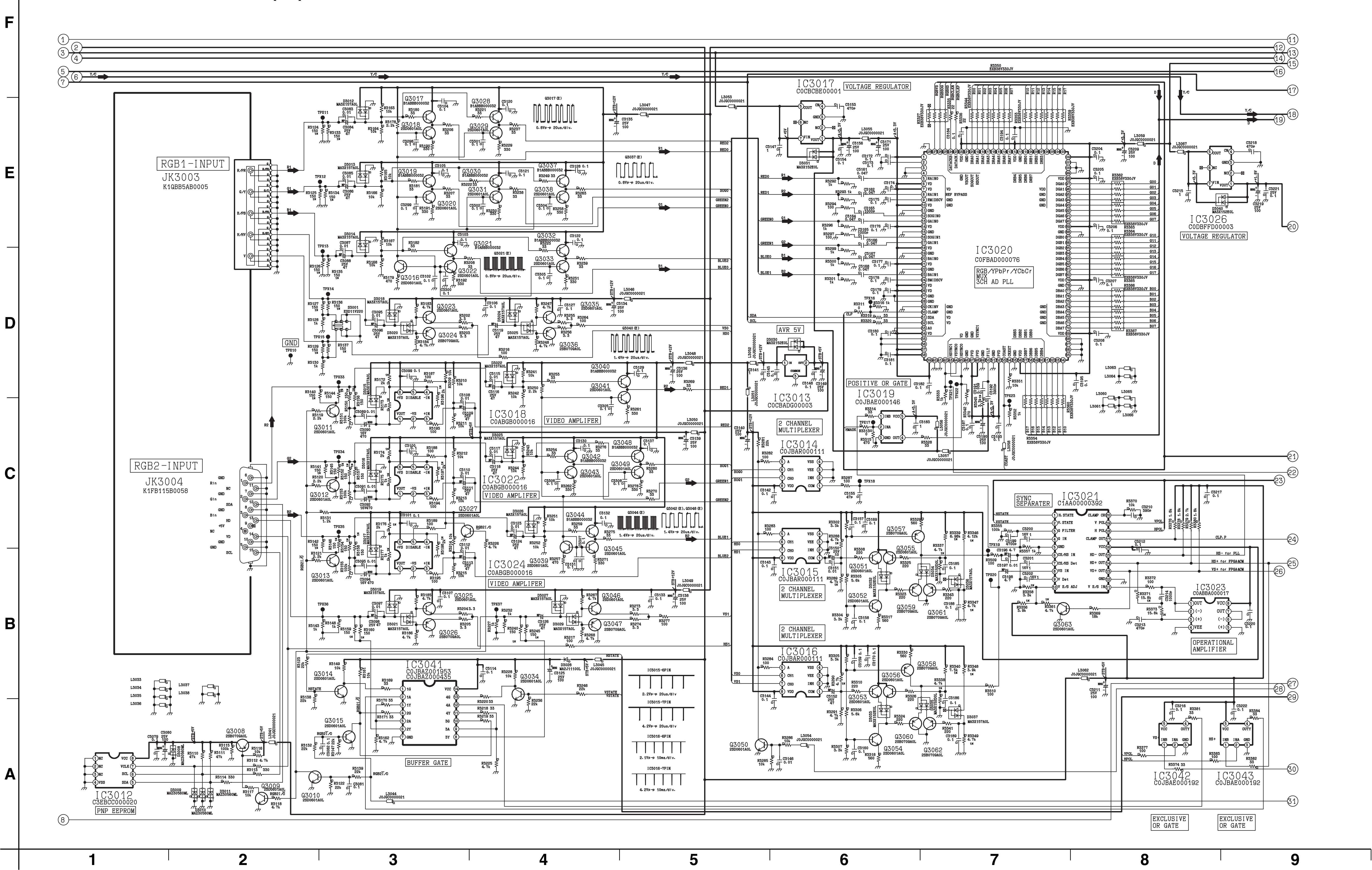
F
E
D
C
B
A

1 2 3 4 5 6 7 8 9

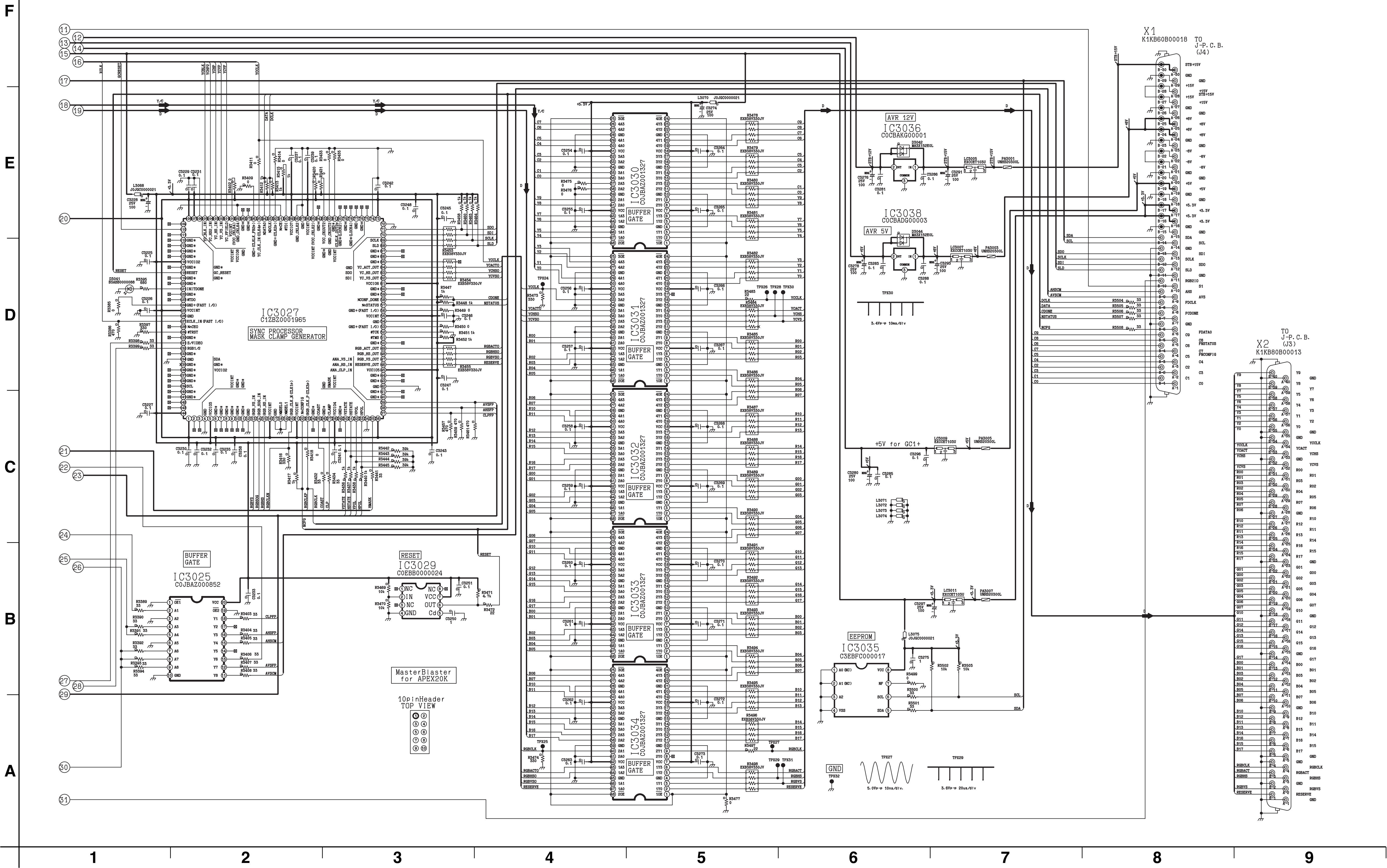
X - P. C. Board TXN/X2VJM8 (1/3)


S1-IN
JK3001
K1CB204B0004
VIDEO-IN
JK3002
K1QBB2AB0013
VIDEO-OUT
Cin
Yin
Vin
Vout
GND
VIDEO AMPLIFER
IC3003
C1AB00001248
IC3001
C1AB00001226
2-CHANNEL MULTIPLEXER
IC3002
C1AB00000608
VIDEO AMPLIFER
VOLTAGE REGULATOR
IC3011
C0CBCBE00001
VOLTAGE REGULATOR
IC3007
C0CBABC00037
RESET
IC3006
C0EBB0000024
INVERTER GATE
IC3004
C0JBAZ000529
Q3003
2SB0709A0L
Q3004
2SD0601A0L
Q3002
2SD0601A0L
Q3005
2SK0198GRL
Q3006
2SD0601A0L
Q3007
2SB0709A0L
X3001
H0J202500002
20.25MHz
1.8Vp-p 20us/div
4.4Vp-p 10us/div
IC3009
C1AB00001494
MB87L1973
GLOBAL CORE
3DYCCOM
VIDEO ADC DECODER
3D/2D/Y/C SEPARATOR
Analog Video → Digital Y, Cb, Cr
(NTSC/PAL/SECAM)
YUV_OUT
2HD
HD
VD
PFILD
28.6MHz
GND
TPX9
16M SDRAM
IC3005
C3ABMG000074
C3ABMG000080
DIGITAL VDD
SDA
SCL
XCLK
YCBLK
YCHP2
YCHP
YCVP
YCVF
YCCLK
GCRESET
LOW=Normal
HI=FreeRUN
LOW=15kHz
HI=33kHz
2fH for AMDP
6usec
① ② ③ ④ ⑤ ⑥ ⑦ ⑧
F E D C B A
1 2 3 4 5 6 7 8 9

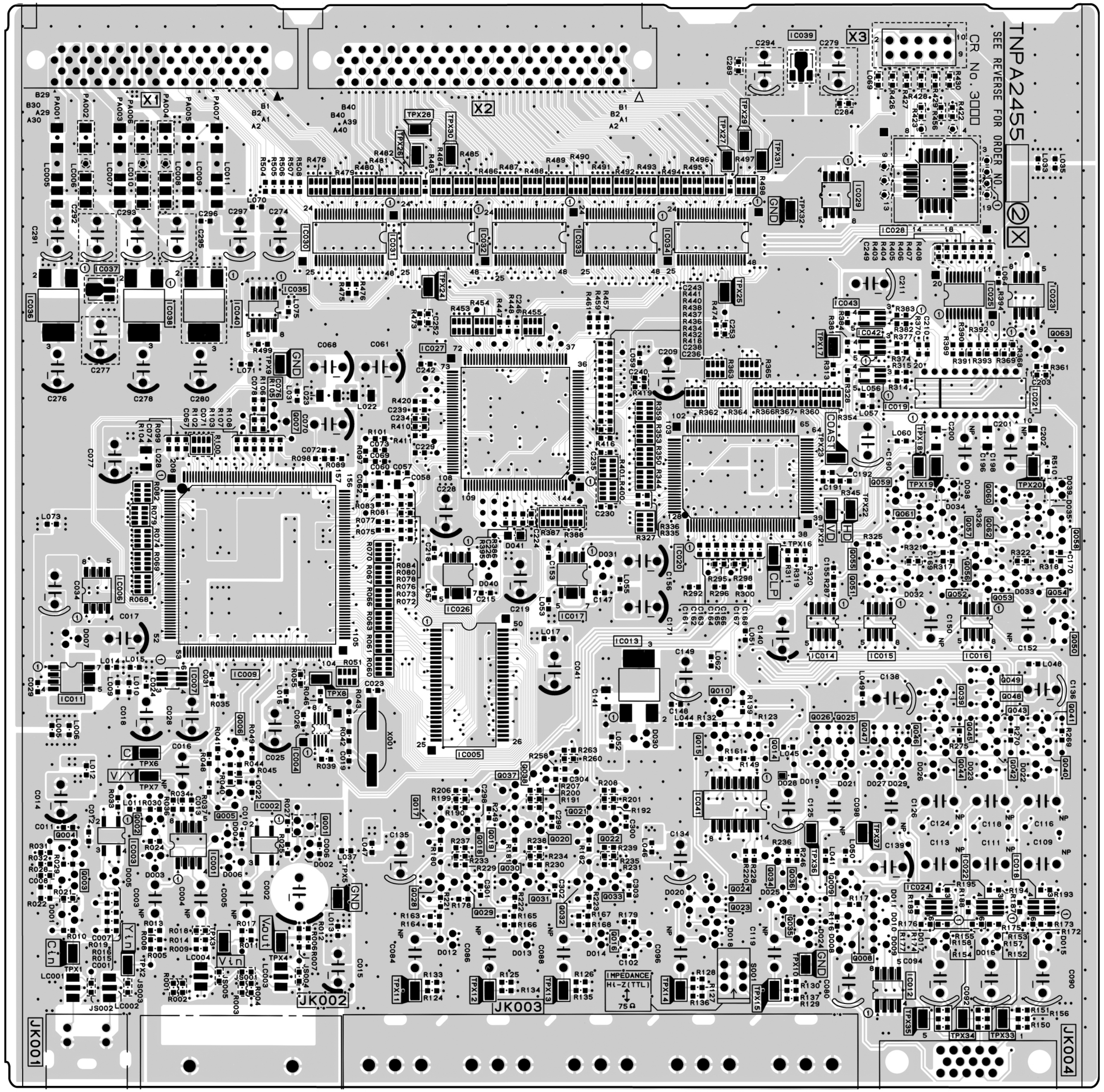
X - P. C. Board TXN/X2VJM8 (2/3)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
RGB1-INPUT
JK3003
K1QBB5AB0005
RGB2-INPUT
JK3004
K1FB115B0058
GND
TPX10
IC3017
C0CBCBE00001
VOLTAGE REGULATOR
IC3020
C0FBAD000076
RGB/YPbPr/YCbCr
MUX
3CH AD PLL
IC3026
C0DBFFD00003
VOLTAGE REGULATOR
AVR 5V
IC3013
C0CBADG00003
POSITIVE OR GATE
IC3019
C0JBAE000146
2 CHANNEL
MULTIPLEXER
IC3014
C0JBAR000111
IC3015
C0JBAR000111
IC3016
C0JBAR000111
IC3018
C0ABGB000016
VIDEO AMPLIFIER
IC3022
C0ABGB000016
VIDEO AMPLIFIER
IC3024
C0ABGB000016
VIDEO AMPLIFIER
SYNC
SEPARATER
IC3021
C1AA00000392
IC3023
C0ABBA000017
OPERATIONAL
AMPLIFIER
IC3041
C0JBAZ001953
C0JBAZ000435
BUFFER GATE
IC3012
C3EBEC000020
PNP EEPROM
IC3042
C0JBAE000192
IC3043
C0JBAE000192
EXCLUSIVE
OR GATE
EXCLUSIVE
OR GATE
Q3017 (E)
0.8Vp-p 20us/div.
Q3037 (E)
0.8Vp-p 20us/div.
Q3021 (E)
0.8Vp-p 20us/div.
Q3040 (E)
1.4Vp-p 20us/div.
Q3044 (E)
1.4Vp-p 20us/div.
Q3042 (E), Q3048 (E)
1.4Vp-p 20us/div.
IC3015-6PIN
2.2Vp-p 20us/div
IC3015-7PIN
4.2Vp-p 20us/div.
IC3016-6PIN
2.1Vp-p 10ms/div.
IC3016-7PIN
4.2Vp-p 10ms/div.
HS- for PLL
HS+ for FPGA&CM
VS+ for FPGA&CM
CLP.P
Y/C
R1
G1
B1
R2
G2
B2
RED0
RED1
RED2
GREEN0
GREEN1
GREEN2
BLUE0
BLUE1
BLUE2
SOG0
SOG1
SDA
SCL
VS0
HS0
VS1
HS1
HSTATE
VSTATE
VPOL
HPOL

X - P. C. Board TXN/X2VJM8 (3/3)


F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
SYNC PROCESSOR
MASK CLAMP GENERATOR
IC3027
C1ZBZ0001965
BUFFER GATE
IC3025
C0JBAZ000852
RESET
IC3029
C0EBB0000024
MasterBlaster
for APEX20K
10pinHeader
TOP VIEW
BUFFER GATE
IC3030
C0JBAZ001327
BUFFER GATE
IC3031
C0JBAZ001327
BUFFER GATE
IC3032
C0JBAZ001327
BUFFER GATE
IC3033
C0JBAZ001327
BUFFER GATE
IC3034
C0JBAZ001327
AVR 12V
IC3036
C0CBAKG00001
AVR 5V
IC3038
C0CBADG00003
+5V for GC1+
EEPROM
IC3035
C3EBFC000017
GND
TPX32
TPX30
3.4Vp-p 10ms/div
TPX27
5.0Vp-p 10ns/div.
TPX29
3.6Vp-p 20us/div
X1
K1KB60B00018 TO J-P.C.B. (J4)
X2
K1KB80B00013 TO J-P.C.B. (J3)
L3071
L3072
L3073
L3074
Y/C
D

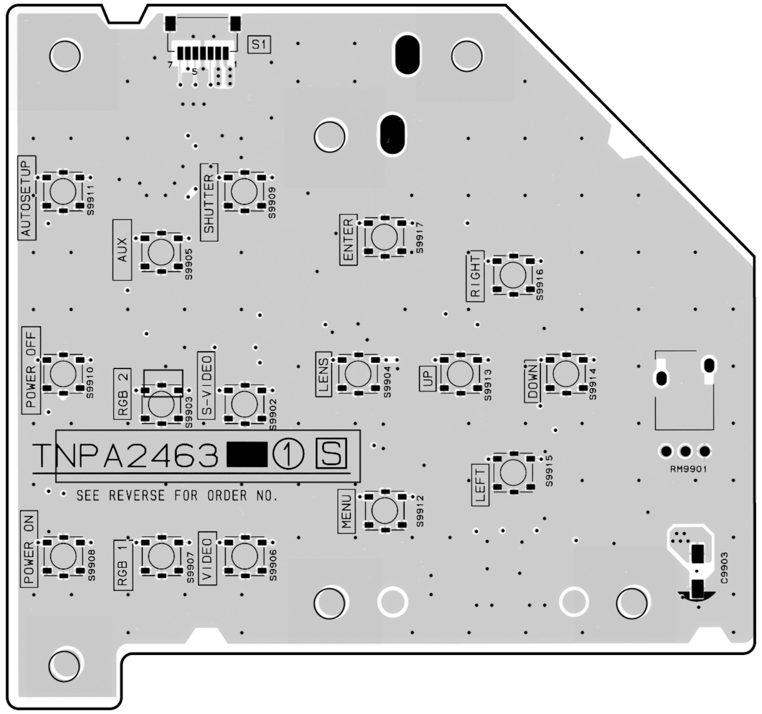
X-P.C.Board TXN/X2VJM8
(Component Side)


TNPA2455
SEE REVERSE FOR ORDER NO.
CR. No. 3000
X1
X2
X3
IC3039
IC3028
IC3029
IC3030
IC3031
IC3032
IC3033
IC3034
IC3005
IC3013
IC3041
GND
CLP
IMPEDANCE
Hi-Z (TTL)
75 Ω
JK001
JK002
JK003
JK004

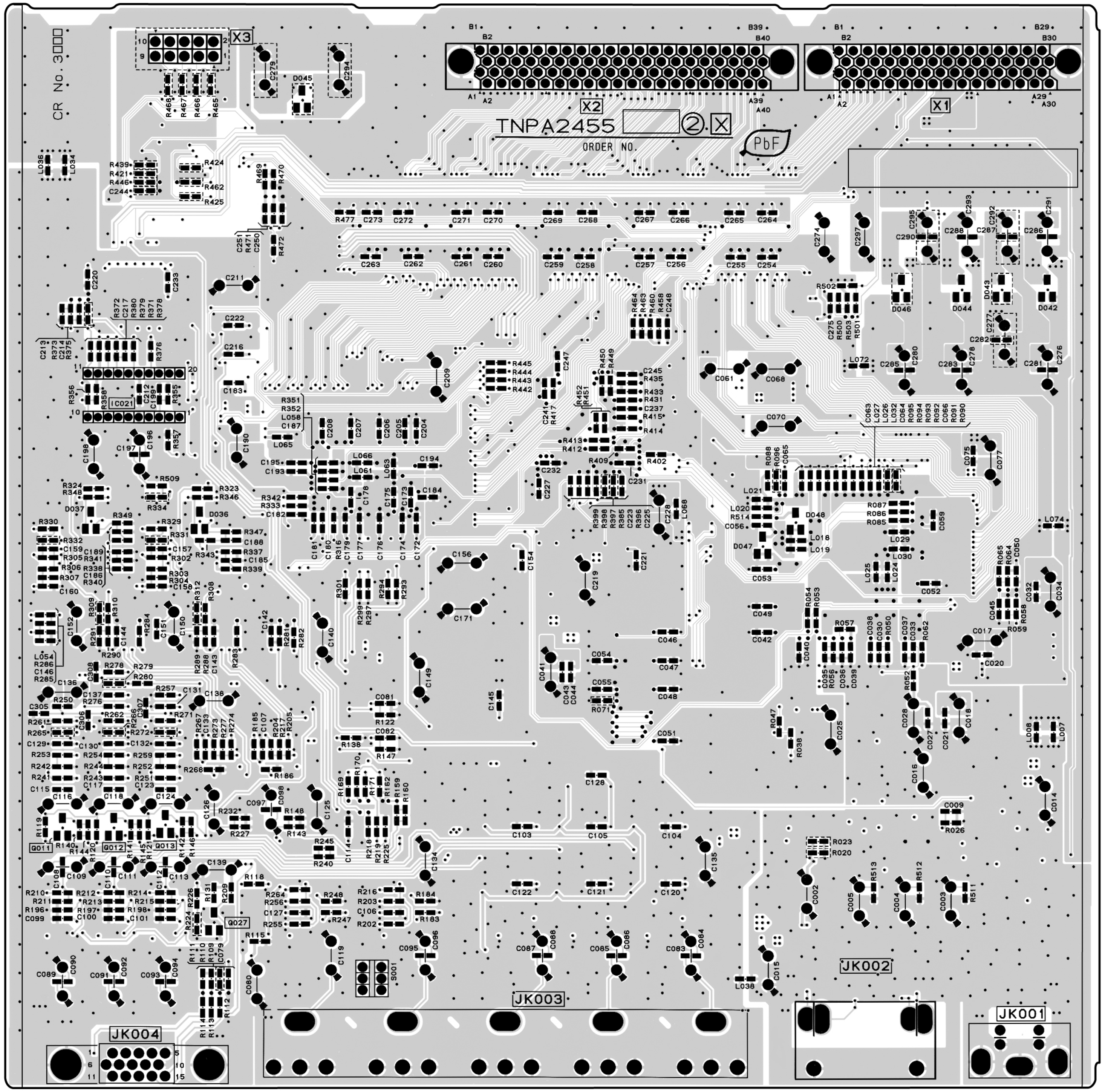
X-P.C.Board (Component Side)													
IC				**TRANSISTOR**						**TPX**			
IC3001	B-2	IC3023	D-5	Q3002	B-1	Q3026	B-4	Q3047	B-4	TPX1	A-1	TPX22	C-4
IC3002	B-2	IC3024	A-5	Q3003	B-1	Q3028	A-2	Q3048	B-5	TPX2	A-1	TPX23	C-4
IC3003	B-1	IC3025	D-5	Q3004	B-1	Q3029	A-3	Q3049	B-5	TPX3	A-2	TPX24	D-3
IC3004	B-2	IC3026	C-3	Q3005	B-2	Q3030	B-3	Q3050	C-5	TPX4	A-2	TPX25	D-4
IC3005	B-3	IC3027	D-3	Q3006	B-2	Q3031	A-3	Q3051	C-4	TPX5	B-2	TPX26	E-2
IC3006	C-1	IC3028	D-5	Q3007	D-2	Q3032	A-3	Q3052	C-5	TPX6	B-1	TPX27	E-4
IC3007	B-1	IC3029	E-4	Q3008	A-4	Q3033	A-3	Q3053	C-5	TPX7	B-1	TPX28	E-2
IC3009	B-2	IC3030	D-2	Q3009	A-4	Q3034	B-4	Q3054	C-5	TPX8	B-2	TPX29	E-4
IC3011	B-1	IC3031	D-2	Q3010	B-4	Q3035	A-4	Q3055	C-4	TPX9	D-2	TPX30	E-3
IC3012	A-5	IC3032	D-3	Q3014	B-4	Q3036	B-4	Q3056	C-5	TPX10	A-4	TPX31	E-4
IC3013	C-3	IC3033	D-3	Q3015	B-4	Q3037	B-3	Q3057	C-5	TPX11	A-2	TPX32	D-4
IC3014	B-4	IC3034	D-4	Q3016	A-3	Q3038	B-3	Q3058	C-5	TPX12	A-3	TPX33	A-5
IC3015	B-4	IC3035	D-2	Q3017	B-2	Q3039	B-5	Q3059	C-4	TPX13	A-3	TPX34	A-5
IC3016	B-5	IC3036	D-1	Q3018	B-3	Q3040	B-5	Q3060	C-5	TPX14	A-4	TPX35	A-5
IC3017	C-3	IC3038	D-1	Q3019	B-3	Q3041	B-5	Q3061	C-5	TPX15	A-4	TPX36	B-4
IC3018	B-5	IC3039	E-4	Q3020	B-3	Q3042	B-5	Q3062	C-5	TPX16	C-4	TPX37	B-4
IC3019	D-5	IC3040	D-2	Q3021	B-3	Q3043	B-5	Q3063	D-5	TPX17	D-4		
IC3020	C-4	IC3041	B-4	Q3022	B-3	Q3044	B-5			TPX18	C-5		
IC3021	D-5	IC3042	D-4	Q3023	A-4	Q3045	B-5			TPX19	C-5		
IC3022	B-5	IC3043	D-4	Q3024	A-4	Q3046	B-5			TPX20	C-5		
				Q3025	B-4					TPX21	C-4		

ADDRESS INFORMATION

S-P.C.Board TNPA2463
(Component Side)


S1
AUTOSETUP
S9911
SHUTTER
S9909
AUX
S9905
ENTER
S9917
RIGHT
S9916
POWER OFF
S9910
RGB 2
S9903
S-VIDEO
S9902
LENS
S9904
UP
S9913
DOWN
S9914
LEFT
S9915
MENU
S9912
POWER ON
S9908
RGB 1
S9907
VIDEO
S9906
RM9901
C9903
TNPA2463 ① S
SEE REVERSE FOR ORDER NO.

X-P.C.Board TXN/X2VJM8
(Foil Side)



CR No. 3
X3
X2
X1
TNPA2455 ②X
ORDER NO.
PbF
B1
B2
B39
B40
A1
A2
A39
A40
B29
B30
A29
A30
IC021
Q011
Q012
Q013
Q027
JK001
JK002
JK003
JK004

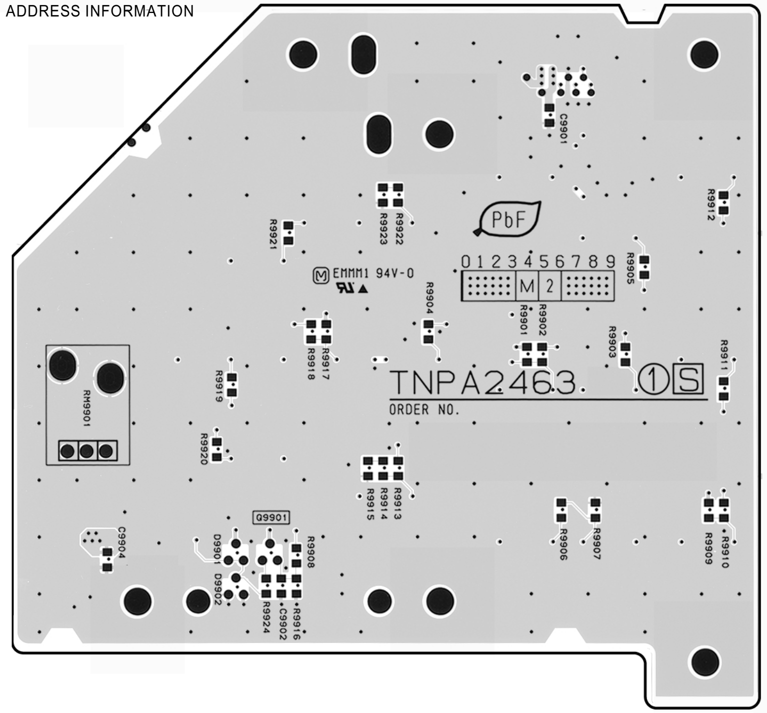
X-P.C.Board (Foil Side)			
IC		TRANSISTOR	
IC3021	D-1	Q3011 Q3012 Q3013 Q3027	B-1 B-1 B-1 A-2

ADDRESS INFORMATION

S-P.C.Board TNPA2463
(Foil Side)

S-P.C.Board (Foil Side)	
TRANSISTOR	
Q9901	A-7

ADDRESS INFORMATION



TNPA2463 ①S
ORDER NO.
PbF
EMMM1 94V-0
0 1 2 3 4 5 6 7 8 9
M 2
Q9901

F
E
D
C
B
A

1 2 3 4 5 6 7 8 9